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Sioux Falls
Sioux City
Minneapolis
Albert Lea
Green Bay
Milwaukee
Madison
Flint
Grand Rapids
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Erie
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Raleigh
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Los Angeles
Barstow
Kingman
Flagstaff
Santa Fe
Tucumcari
Oklahoma City
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Memphis
Chattanooga
Charlotte
Greenville
Wilmington
Needles
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Holbrook
Albuquerque
Amarillo
Little Rock
Huntsville
Atlanta
Myrtle Bch
Charleston
San Diego
Yuma
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Tucson
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Lubbock
Dallas
Ft Worth
Texarkana
Birmingham
Columbus
Savannah
El Paso
Abilene
Shreveport
Jackson
Montgomery
Natchez
Jacksonville
Austin
Baton Rouge
Mobile
Pensacola
Tallahassee
Daytona Bch
Orlando
San Antonio
Houston
New Orleans
Tampa
W Palm Bch
Ft Lauderdale
Naples
Miami
Corpus Christi
Brownsville
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VoSKY® 9040/
EXCHANGE 9080

User Manual

This manual applies to Exchange 9040 and Exchange 9080

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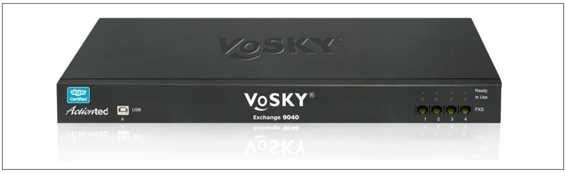
Introduction

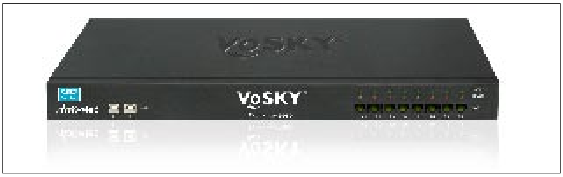
1

You can skip section 1-*Introduction*, and move to section 2-*Before You Proceed* directly. However we recommend reading through the introduction to familiarize yourself with the benefits of Exchange 9040/9080 and help improve its operation.

Thank you for purchasing Actiontec VoSKY Exchange 9040/9080. VoSKY Exchange 9040/9080 is the world’s first VoIP gateway that brings Skype Internet calls to an office environment. Exchange 9040/9080 seamlessly bridges the existing PBX to the Skype network to provide inexpensive long distance and international calls.



Exchange 9040



Exchange 9080

By adding four/eight telephone lines to your PBX, Exchange 9040/9080 provides access to Skype Internet calls for every extension in the office- even to those without computer access. Users simply pick up their office phones, dial a few numbers, and they are able to place and receive Skype Internet calls.

Our Exchange 9040/9080 differentiates itself from ordinary VoIP products by including features that make your office Skype calls simple and convenient to use. Exchange 9040/9080 includes a new **PhoneBook** feature that makes it possible for every Exchange 9040/9080 user to create and manage his/her own contacts.

The **Single Desktop** feature makes it more convenient for the administrator to manage Exchange 9040/9080 by reducing the burden of switching among Windows users. You can manage 4 to 8 Skype accounts on a single Windows desktop.

The updated Exchange 9040/9080 supports **DTMF Relay** to guarantee reliable DTMF signal transportation and recognition. Users can expect worry-free calling because of solid DTMF signal recognition.

Smart Stacking (only for Exchange 9080) technology allows you to easily add an additional 8 ports to your existing Exchange to expand it to 16 ports with very little configuration. The 2 VoSKY Exchange 9080s connect to 2 PCs, and will share a single database, which makes for easy management and maintenance.This technology allows you to inexpensively add additional phone lines for use in the office to facilitate your growing business. In the future, we will offer you multi-Exchange Smart Stacking technology, so you may add Exchange Skype lines to your business as the need arises.

Call Log captures all call details, including: date, caller, callee, call destination, call type, call duration, rate per minute and total call cost. The Call Log supports Caller ID Display. You can find both the caller and callee’s Exchange 9040/9080 telephone numbers and Skype IDs in the Call Log. Also, when using Skype 2.5 or above, Exchange can detect SkypeOut calling rates and log the total cost of SkypeOut calls.

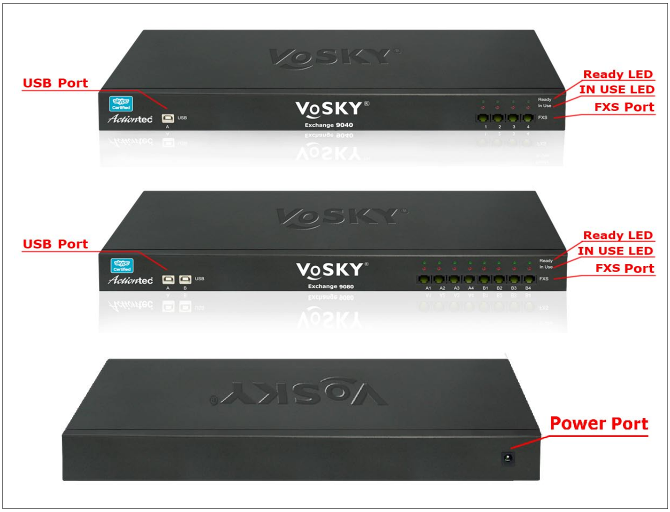
Skype Company Skype ID Mechanism: VoSKY Exchange 9040/9080 provides 4/8 Skype accounts. You can choose any Skype account to be your Company Skype ID. (The first Skype account is recommended to be your Company Skype ID.) This perfect mechanism will enable you to make Skype calls as easily and conveniently as regular calls.

When Exchange 9040/9080 is connected to a PC and the software is installed, a Java server and database server will be automatically installed. This powerful database includes a sophisticated dialing plan and a smart phone book feature. Exchange 9040/9080 is truly at the forefront of innovation in the VoIP area and is designed to seamlessly integrate into the office environment.

1.1 Package Contents

- VoSKY Exchange 9040/9080 with two rack mount ears
- 1 USB cable (9040) / 2 USB cables (9080)
- 4 Telephone cables (9040) / 8 Telephone cables (9080) [RJ-11]
- Installation CD
- User Manual
- Quick Start Guide
- DC Power Supply

Note: If any of the above items is damaged or missing, contact your re-seller.


USB Port
Ready LED
IN USE LED
FXS Port
VoSKY
Exchange 9040
USB Port
Ready LED
IN USE LED
FXS Port
VoSKY
Exchange 9080
Power Port

USB Port: Connects to the PC's USB port with the supplied USB cable

FXS Port: Connects to the PBX's trunk port with the supplied telephone cable (RJ-11)

Power Port: Connects Exchange 9040/9080 to an electrical outlet

Ready LED (Green): Indicates device is ready to work

In Use LED (Red): Indicates the corresponding FXS port is in use

	Slow Flash	Fast Flash	Steady On	Off
Ready LED (Green)	Power On	Downloading Firmware	Port launched and ready to work	No Power Supply
In Use LED (Red)	Power On	Downloading Firmware An Incoming Call	Line off-hook Connection established	No Power Supply Line on-hook

1.2 Features

- The World's first 4/8 ports Skype gateway(FXS)
- Skype P2P Internet telephony protocol compatible
- Supports Skype v2.0 or v2.5(recommended)
- Supports 4/8 Skype /SkypeOut lines on one computer
- Company Representative Skype ID system complies with the traditional dialing rules of your company
- Complies with Skype dialing format
- Delivers Skype functionality into enterprise extension system

- Call progress tone generation & detection
- Supports clear duplex calls with Digital Echo Cancellation
- Supports complete Voice menu function during dialing
- Supports Skype/SkypeOut speed-dial
- Smart Dialing Plan provides up to two-segment 16-digital speed dialing codes for Skype or SkypeOut calls
- Personal Phonebook allows each user to create and manage their own phonebooks
- Single Desktop allows you to manage all Skype lines on a single desktop
- Firmware/Software Online Update automatically checks for software and firmware updates every 24 hours
- Call Overflow Forwarding can be enabled when all lines of VoSKY Exchange 9040/9080 are busy.
- Troubleshooting awareness: Skype Status Detection, Skype Crashed Detection, USB Unplug Detection, Line Lock Detection
- Plug & Play
- Notifications for troubleshooting errors and for SkypeOut credit low-balance warning
- Call Log for inbound and outbound calls
- Cadence: Supports 100$^+$ countries tone cadence and a custom setting facility
- Polarity Reversal Generation
- Smart Skype Dialing for any Skype client
- Smart stacking technology (only for Exchange 9080)
- VNC web administrations for remote control
- Expandable Value-added Service

1.3 Minimum System Requirements

- PC Server:

Exchange 9040	Exchange 9080
Intel Pentium IV 3.0 GHz or AMD Athlon 64 3200$^+$ or faster	Intel Core 2 Duo Processor E6600 or Intel XEON 3060 or faster
512 MB RAM	1GB RAM
400MB free HD space	400MB free HD spacee
CD-ROM drive	CD-ROM drive
1 free USB 1.1/2.0 port	2 free USB 1.1/2.0 ports

- OS: Windows XP Professional+SP2
- Application: Skype v2.0 or 2.5(recommended)
- Internet Connection: Dedicated Broadband

  Exchange 9040: Downlink ≥ 1Mbps, Uplink ≥ 128 Kbps

  Exchange 9080: Downlink ≥ 2Mbps, Uplink ≥ 256 Kbps
- Touch-tone analog phones (optional, for testing purpose only)
- PBX:

  1-8 free analog trunk ports with Auto-attendant capability for up to 8 Skype lines

Before You Proceed

2

Note the following precautions before you install the software.

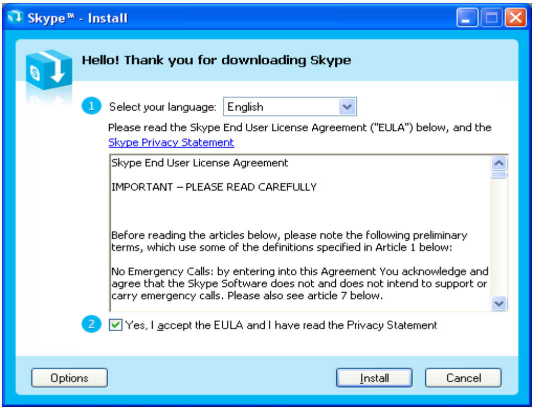
1. Get a valid Reseller ID from your Reseller to activate Exchange 9040/9080 software (not mandatory).
2. Make sure Exchange Server PC designated for Exchange 9040/9080 has a clean system with only anti-virus and Skype applications installed (refer to section 3 – *Installing Skype Software*).
3. Make sure the Internet connection is normal and shut down the firewall temporarily before activating Exchange 9040/9080 software.
4. Make sure Exchange Server has a dedicated broadband access to assure voice quality.
5. Make sure Exchange Server is not part of any Windows Active Directory domain.
6. Make sure to login on Exchange Server with an account that has administrator privileges.
7. Configure your PBX (refer to section 13 – *Setting up the PBX*).

Note: A detailed Pre-Installation Check List is provided in Appendix A.

Installing Skype Software

3

1. Before installing Exchange 9040/9080 software or hardware, you should first install Skype software on your computer. If you already have Skype software installed, you can move to section 5 in this manual, *Installing Exchange 9040/9080 Software*.
2. Insert the **Installation CD** into your computer's CD-ROM drive. A **Welcome to VoSKY Exchange** screen will come up. Click **Install Skype** to start to install Skype 2.5 .
3. In **Skype-Install** window, select your language, read the **Skype End User License Agreement** (EULA) and **Skype Privacy Statement**. To continue the installation, select the option **Yes, I accept the EULA and I have read the Privacy Statement**, then click **Options**.



1 Select your language: English

Please read the Skype End User License Agreement ("EULA") below, and the Skype Privacy Statement

Skype End User License Agreement

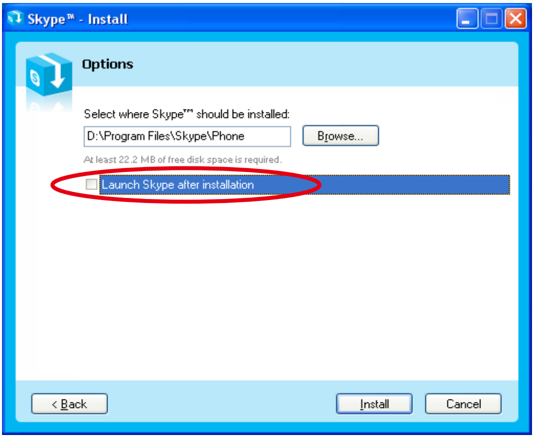
IMPORTANT – PLEASE READ CAREFULLY

Before reading the articles below, please note the following preliminary terms, which use some of the definitions specified in Article 1 below:

No Emergency Calls: by entering into this Agreement You acknowledge and agree that the Skype Software does not and does not intend to support or carry emergency calls. Please also see article 7 below.

2 ☑ Yes, I accept the EULA and I have read the Privacy Statement

4. The **Options** window will offer you the option where you would like Skype to be stored on your computer. You can either select the default folder as your destination location or click **Browse** to navigate to a different folder. Do not select **Launch Skype after installation**. Click **Install**.


Skype™ - Install
Options
Browse...
< Back
Install
Cancel

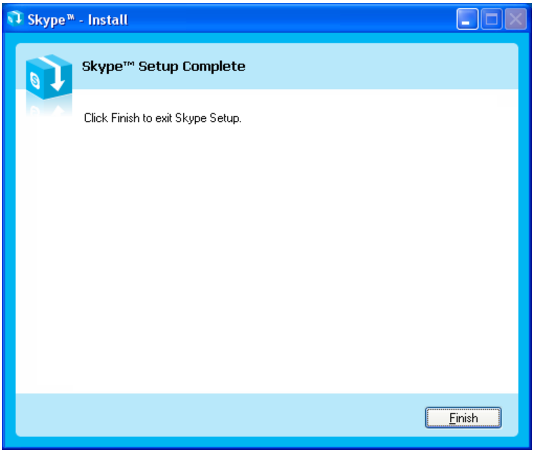
Select where Skype™ should be installed:

D:\Program Files\Skype\Phone

At least 22.2 MB of free disk space is required.

☐ Launch Skype after installation

5. When the installation is completed, you will see the final screen---**Skype Setup Complete**. Click **Finish**.


Skype™ - Install
Skype™ Setup Complete
Finish

Click Finish to exit Skype Setup.

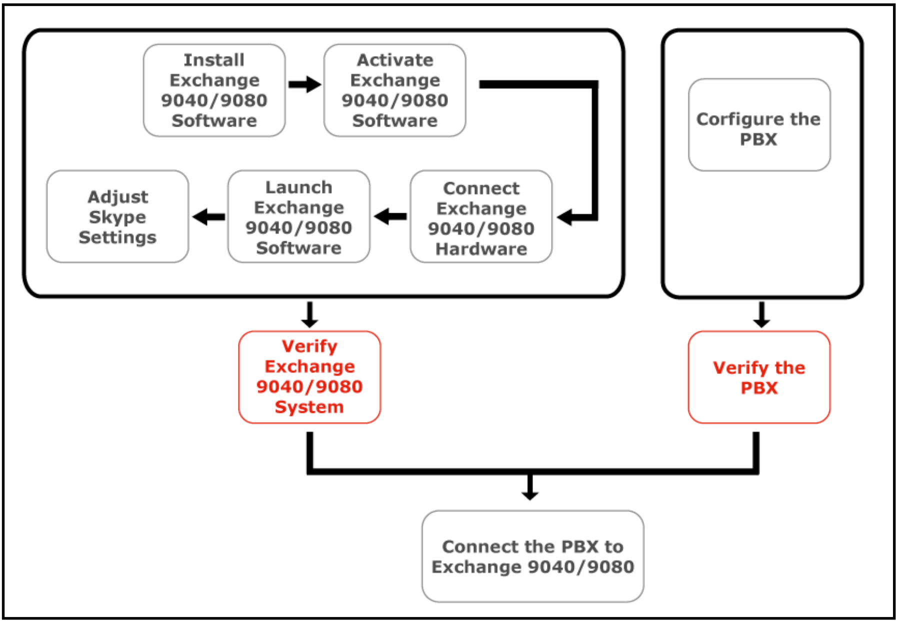
Skype software installation is complete. You are now ready to install Exchange Software.

Installation Procedure

4

Below is Exchange 9040/9080 installation flow diagram that gives you an overview of all the steps required to install Exchange 9040/9080.

Exchange 9040/9080 Installation Flow


Install Exchange 9040/9080 Software
Activate Exchange 9040/9080 Software
Connect Exchange 9040/9080 Hardware
Launch Exchange 9040/9080 Software
Adjust Skype Settings
Corfigure the PBX
Verify Exchange 9040/9080 System
Verify the PBX
Connect the PBX to Exchange 9040/9080

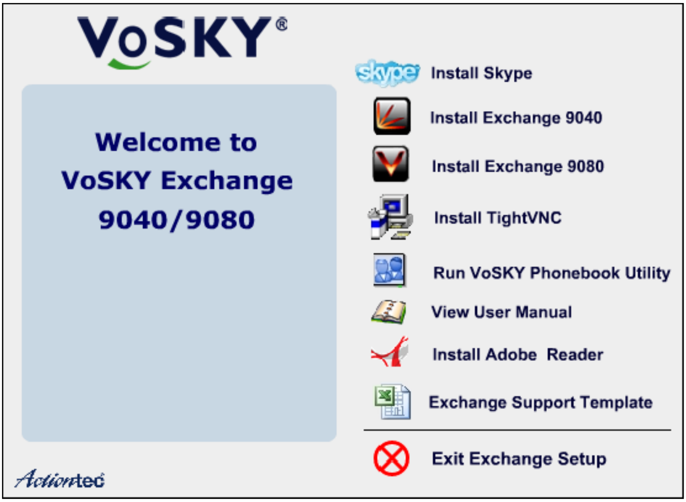
Installing Exchange 9040/9080 Software

5

This section shows how to install Exchange 9040/9080 software on the PC. Since the installation of Exchange 9080 is similar to Exchange 9040, the next paragraphs show only examples of installing Exchange 9040.

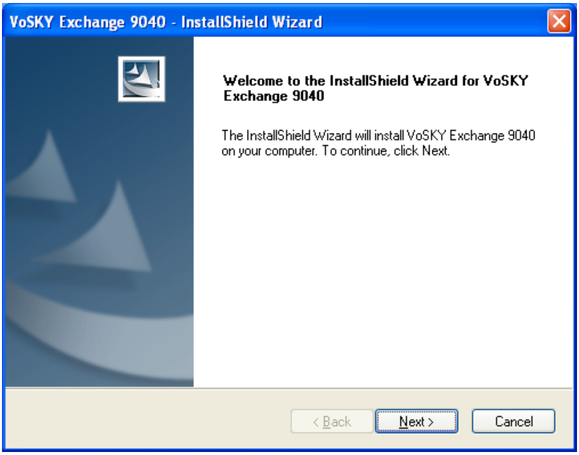
Note: If you are implementing Exchange 9080 stack function, Exchange 9080 software should be installed on both the master and slave PC.

1. Insert the **Installation CD** into your computer's CD-ROM drive. A **Welcome to VoSKY Exchange** screen will come up. Click **Install Exchange 9040** to start the installation.



VoSKY®
Welcome to VoSKY Exchange 9040/9080
Install Skype
Install Exchange 9040
Install Exchange 9080
Install TightVNC
Run VoSKY Phonebook Utility
View User Manual
Install Adobe Reader
Exchange Support Template
Exit Exchange Setup
Actiontec

2. Setup.exe program will run and open the **VoSKY Exchange 9040 InstallShield Wizard** to guide you through the installation process. Click **Next** to continue.

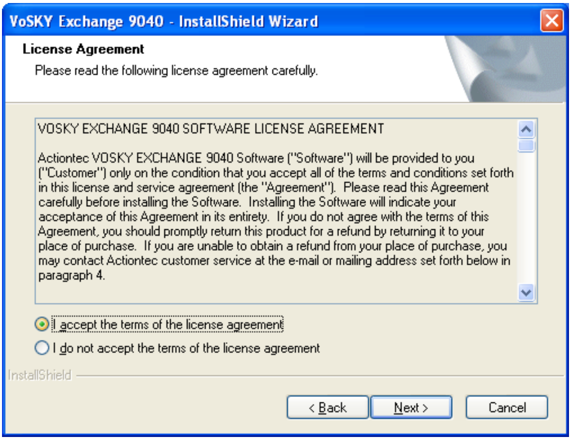


VoSKY Exchange 9040 - InstallShield Wizard

Welcome to the InstallShield Wizard for VoSKY Exchange 9040

The InstallShield Wizard will install VoSKY Exchange 9040 on your computer. To continue, click Next.

3. Read through the software **License Agreement**, select **I accept the terms of the license agreement**, and then click **Next** to continue.



VoSKY Exchange 9040 - InstallShield Wizard

License Agreement

Please read the following license agreement carefully.

VOSKY EXCHANGE 9040 SOFTWARE LICENSE AGREEMENT

Actiontec VOSKY EXCHANGE 9040 Software ("Software") will be provided to you ("Customer") only on the condition that you accept all of the terms and conditions set forth in this license and service agreement (the "Agreement"). Please read this Agreement carefully before installing the Software. Installing the Software will indicate your acceptance of this Agreement in its entirety. If you do not agree with the terms of this Agreement, you should promptly return this product for a refund by returning it to your place of purchase. If you are unable to obtain a refund from your place of purchase, you may contact Actiontec customer service at the e-mail or mailing address set forth below in paragraph 4.

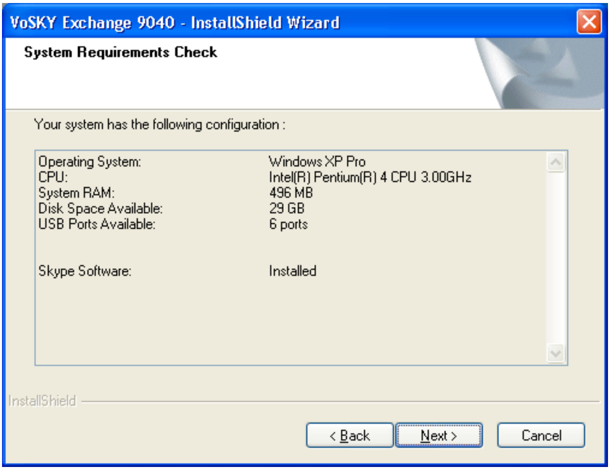
● I accept the terms of the license agreement

○ I do not accept the terms of the license agreement

4. The **VoSKY Exchange Pre-Installation Requirements** screen will appear to remind you that you should have installed Skype on your PC prior to installing Exchange 9040 software. If you haven't done it already, go to section 3-*Installing Skype Software*, and install Skype on your computer.

If you have already installed Skype, don't start up, login or register Skype before the installation of Exchange 9040 software. Click **Next** to continue.

5. In the next screen **System Requirements Check**, verify that the listed system configuration meets the minimum requirements, and then click **Next** to continue.

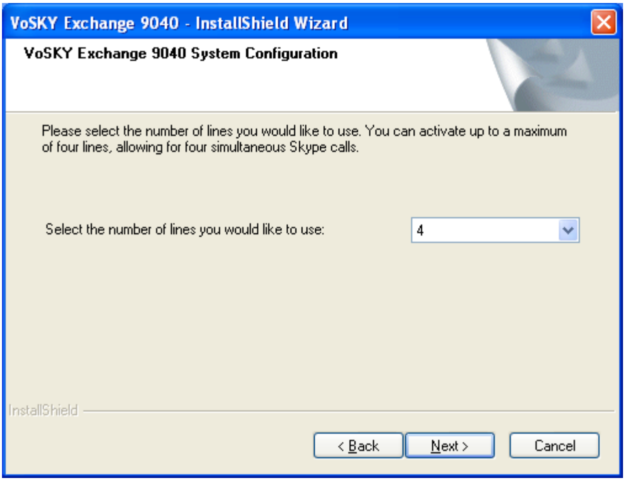

VoSKY Exchange 9040 - InstallShield Wizard
System Requirements Check

Your system has the following configuration :

Operating System:	Windows XP Pro
CPU:	Intel(R) Pentium(R) 4 CPU 3.00GHz
System RAM:	496 MB
Disk Space Available:	29 GB
USB Ports Available:	6 ports
Skype Software:	Installed

InstallShield
< Back
Next >
Cancel

6. On the following screen---the **VoSKY Exchange 9040 System Configuration**, select the number of lines you would like to use (the default number is four). Click **Next** to continue.


VoSKY Exchange 9040 - InstallShield Wizard

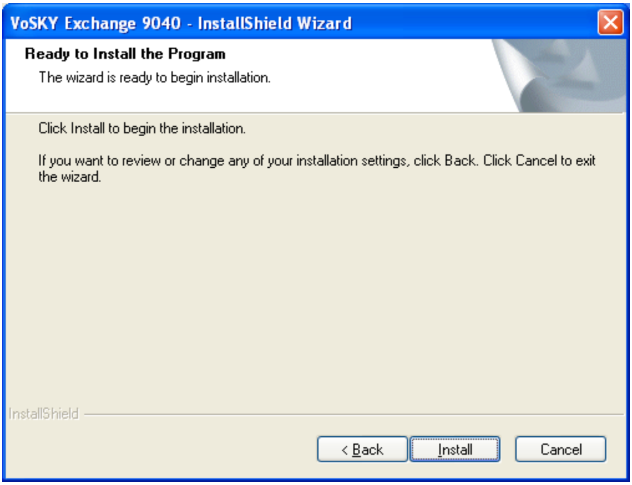
VoSKY Exchange 9040 System Configuration

Please select the number of lines you would like to use. You can activate up to a maximum of four lines, allowing for four simultaneous Skype calls.

Select the number of lines you would like to use: 4

InstallShield
< Back
Next >
Cancel

7. Click **Install** on the **Ready to Install the Program** screen. The InstallShield Wizard will copy the necessary files. This will take a few minutes.


VoSKY Exchange 9040 - InstallShield Wizard

Ready to Install the Program

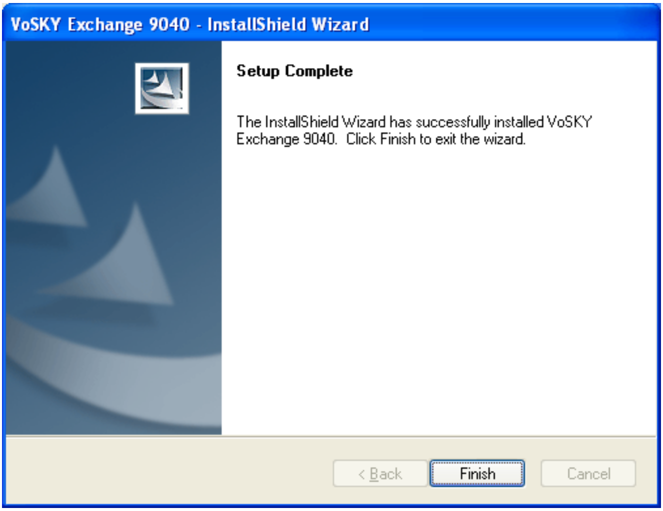
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

InstallShield
< Back
Install
Cancel

8. When the installation is complete, a **Setup Complete** screen will pop up to notify you that the software is installed successfully. Click **Finish**.



VoSKY Exchange 9040 - InstallShield Wizard

Setup Complete

The InstallShield Wizard has successfully installed VoSKY Exchange 9040. Click Finish to exit the wizard.

< Back
Finish
Cancel

The next chapter shows you how to activate Exchange 9040/9080 software.

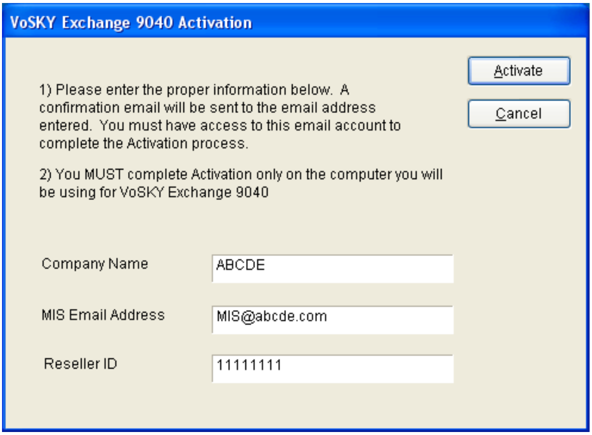
Activating Exchange 9040/9080 Software

6

As we mentioned in section 2-*Before You Proceed*, before you activate your software, make sure the Internet connection is normal and shut down the firewall temporarily. The following outlines the procedure for Exchange 9040 software's activation.

1. The **VoSKY Exchange 9040 Activation** window will notify you to activate the software. Fill in the fields as shown below. If you want to activate it later, click **Cancel**. Click **Activate** when you have filled out the required information.
2. Please get your Reseller ID from your reseller. If you have no Reseller ID, please do not fill in the blank.

Note: After Reseller ID being filled in, your reseller's information will be automatically displayed in the "**About**" tab of **Exchange 9040/9080 Console**.


VoSKY Exchange 9040 Activation

1) Please enter the proper information below. A confirmation email will be sent to the email address entered. You must have access to this email account to complete the Activation process.

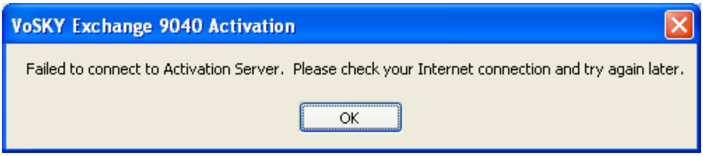
2) You MUST complete Activation only on the computer you will be using for VoSKY Exchange 9040

Company Name: ABCDE

MIS Email Address: MIS@abcde.com

Reseller ID: 11111111

Note: After you click Activate, if the software fails to connect to the Activation server, make sure your Internet connection is normal and shut down the firewall temporarily. Click **OK** and try to activate at a later time.

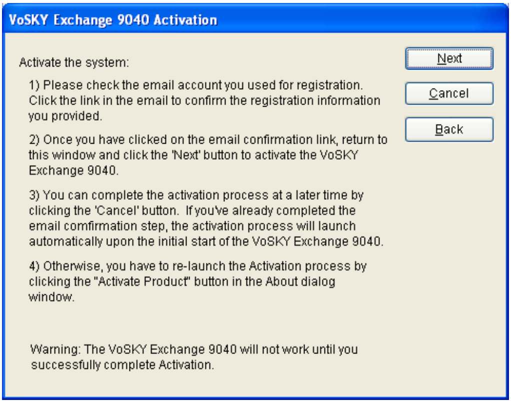


Failed to connect to Activation Server. Please check your Internet connection and try again later.

3. After you click Activate, an **Activation** window will guide you through the following steps. Click **Cancel** to activate Exchange later. If you entered an incorrect email address in the last step, click **Back** to enter it again.

Note: If you do not receive the email in 3 minutes, please check the following items:

1. You may have entered an invalid email address. Click **Back** and enter a valid email address to finish the activation.
2. Please check your email account's junk, spam, or trash can. Your mail server or client software may detect the activation email as junk or spam. Depending on your mail setting, the activation may be in one of these folders and not your Inbox folder.



Activate the system:

1) Please check the email account you used for registration. Click the link in the email to confirm the registration information you provided.

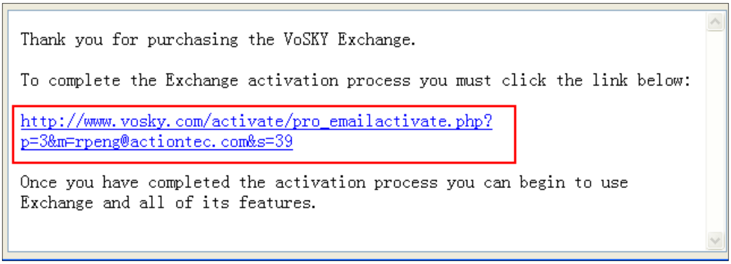
2) Once you have clicked on the email confirmation link, return to this window and click the 'Next' button to activate the VoSKY Exchange 9040.

3) You can complete the activation process at a later time by clicking the 'Cancel' button. If you've already completed the email comfirmation step, the activation process will launch automatically upon the initial start of the VoSKY Exchange 9040.

4) Otherwise, you have to re-launch the Activation process by clicking the "Activate Product" button in the About dialog window.

Warning: The VoSKY Exchange 9040 will not work until you successfully complete Activation.

4. Check the email account you entered for the first part of Activation and click the link in the email to complete the email confirmation process.

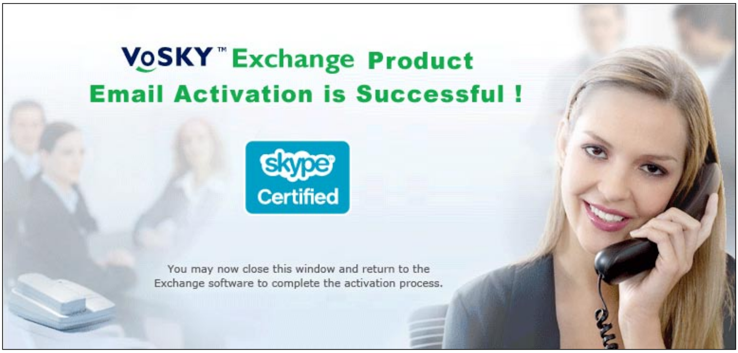


Thank you for purchasing the VoSKY Exchange.

To complete the Exchange activation process you must click the link below:

http://www.vosky.com/activate/pro_emailactivate.php?p=3&m=rpeng@actiontec.com&s=39

Once you have completed the activation process you can begin to use Exchange and all of its features.



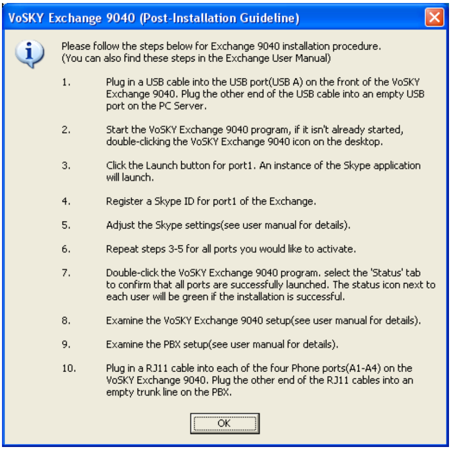
VoSKY™ Exchange Product

Email Activation is Successful !

You may now close this window and return to the Exchange software to complete the activation process.

5. Click **Next** in the **Activation** window to continue Activation.

6. The **Post Installation Guideline** screen will guide you through the proper installation procedure of VoSKY Exchange 9040. Click **OK** to close the window after you have completed all the steps.

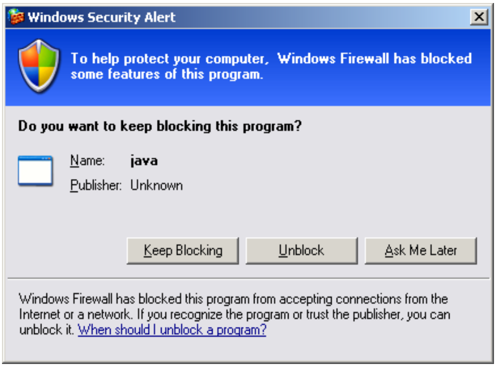


Please follow the steps below for Exchange 9040 installation procedure.
(You can also find these steps in the Exchange User Manual)

1. Plug in a USB cable into the USB port(USB A) on the front of the VoSKY Exchange 9040. Plug the other end of the USB cable into an empty USB port on the PC Server.
2. Start the VoSKY Exchange 9040 program, if it isn't already started, double-clicking the VoSKY Exchange 9040 icon on the desktop.
3. Click the Launch button for port1. An instance of the Skype application will launch.
4. Register a Skype ID for port1 of the Exchange.
5. Adjust the Skype settings(see user manual for details).
6. Repeat steps 3-5 for all ports you would like to activate.
7. Double-click the VoSKY Exchange 9040 program. select the 'Status' tab to confirm that all ports are successfully launched. The status icon next to each user will be green if the installation is successful.
8. Examine the VoSKY Exchange 9040 setup(see user manual for details).
9. Examine the PBX setup(see user manual for details).
10. Plug in a RJ11 cable into each of the four Phone ports(A1-A4) on the VoSKY Exchange 9040. Plug the other end of the RJ11 cables into an empty trunk line on the PBX.

Note: After Exchange 9040/9080 software is installed, one application window---Web server will be launched. The Web server will manage the Skype contact list. A contact list management guide is included in section 15-*Managing Exchange User Account* of this manual. **Do not close the DOS window while using Exchange 9040/9080.**

When Windows firewall is turned on and Exchange attempts to accept connections from Internet, the firewall blocks the program from doing this and displays a message giving you the option to unblock the program. Click **Unblock** to allow Exchange to work better.



To help protect your computer, Windows Firewall has blocked some features of this program.

Do you want to keep blocking this program?

Name: java
Publisher: Unknown

Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?

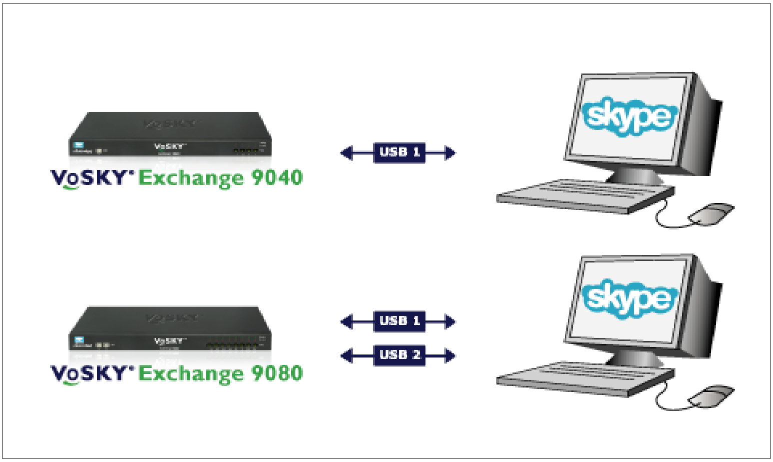
7

Connecting Exchange 9040/9080 Hardware

1. Connect the power adapter to the power port that is located on the right side of Exchange 9040/9080’s back panel.

Note: Exchange 9040/9080 may create static noise during use which may be caused by not properly grounding the power adapter. Therefore, please insert the adapter to a three-holed wall socket to avoid the above-mentioned situation.

2. Connect Exchange 9040/9080 to an electrical outlet.
3. Connect Exchange 9040/9080 to the PC server with the supplied USB cables. The USB port (1 for Exchange 9040, 2 for Exchange 9080) is on the left side of Exchange 9040 /9080’s front panel (white color port in photo below). The green LEDs on the right of Exchange 9040/9080’s front panel will start flashing slowly, the red LEDs will also start flashing slowly after the operating system has recognized this device.



Localizing Exchange 9040/9080 System Instant Message Content

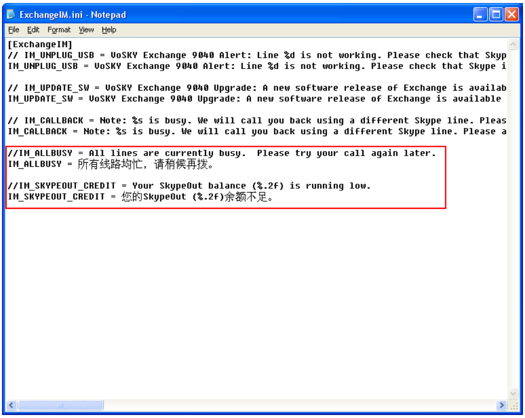
8

Exchange 9040/9080 Console should be rebooted after system IM is customized so as to make it effective. Therefore we recommend completing your Exchange system message settings before launching Exchange 9040/9080 server for the first use.

Exchange 9040/9080 will send an instant message in the following situations:

- Exchange system error
- Call back
- All lines are busy
- SkypeOut balance running low

The system default messages are in English. You may localize the message's format, description, and language. The system message file is in "[root]:\Program Files (default)\VoSKY Exchange 9040(9080)" under "ExchangeIM.ini". You may also use the system default message format as a reference to customize your own system instant message. Please refer to the 2 examples in the following picture:



```
[ExchangeIM]
// IM_UNPLUG_USB = VoSKY Exchange 9040 Alert: Line %d is not working. Please check that Skyp
IM_UNPLUG_USB = VoSKY Exchange 9040 Alert: Line %d is not working. Please check that Skype i

// IM_UPDATE_SW = VoSKY Exchange 9040 Upgrade: A new software release of Exchange is availab
IM_UPDATE_SW = VoSKY Exchange 9040 Upgrade: A new software release of Exchange is available

// IM_CALLBACK = Note: %s is busy. We will call you back using a different Skype line. Pleas
IM_CALLBACK = Note: %s is busy. We will call you back using a different Skype line. Please a

//IM_ALLBUSY = All lines are currently busy.  Please try your call again later.
IM_ALLBUSY = 所有线路均忙，请稍候再拨。

//IM_SKYPEOUT_CREDIT = Your SkypeOut balance (%.2f) is running low.
IM_SKYPEOUT_CREDIT = 您的SkypeOut (%.2f)余额不足。
```

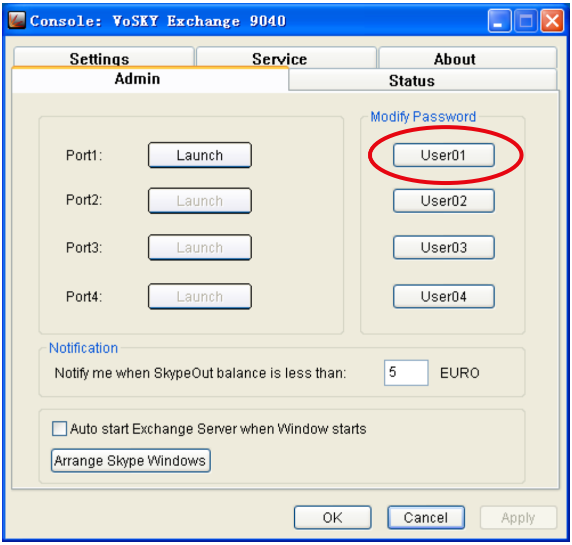
Note: %s,%d and %2f are system definitions and should not be revised. To start a new line, type “**\n**” at the place where the new line is supposed to start.

Please save the files after you have localized the system messages. If Exchange 9040/9080 is running, reboot Exchange 9040/9080 after exiting each port on it to make the localized messages take effect. To restore to the default system messages, just delete the localized messages.

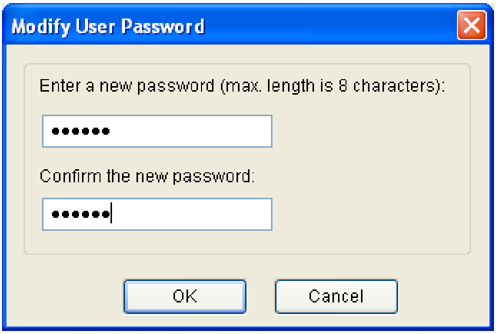
Managing Your Windows User Accounts

9

After the software is installed, Exchange 9040 creates four windows accounts on your PC server automatically: user01, user02, user03 and user04 (Exchange 9080 creates eight windows accounts on your PC server automatically: user01, user02, user03, user04, user05, user06, user07and user08). The default password for all these accounts is "1". If you decide to modify the password, click the corresponding user name under the **Modify Password** section of the Admin tab in the Console. An example for modifying User01's password is shown below.


Console: VoSKY Exchange 9040
Settings
Service
About
Admin
Status
Port1:
Launch
Port2:
Launch
Port3:
Launch
Port4:
Launch
Modify Password
User01
User02
User03
User04
Notification
Notify me when SkypeOut balance is less than:
5
EURO
☐ Auto start Exchange Server when Window starts
Arrange Skype Windows
OK
Cancel
Apply

Enter a new password - the maximum length allowed is eight alphanumeric characters. Click **OK** to finish modifying User01's password.


Modify User Password
OK
Cancel

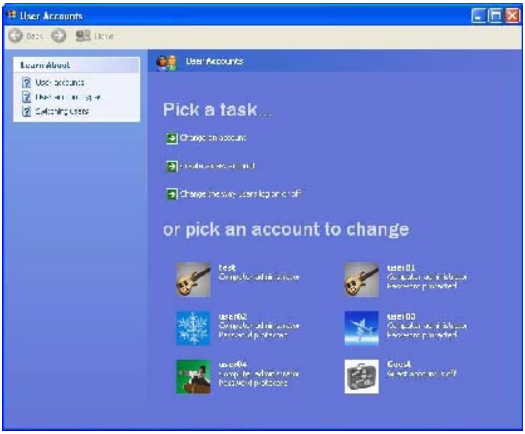
Enter a new password (max. length is 8 characters):

••••••

Confirm the new password:

••••••

Go to **Start->Control Panel->User Accounts** to view all accounts. You don’t need to switch User Accounts to manage Exchange and Skype accounts. The single desktop feature provides the convenience of managing all Exchange lines in one single Windows desktop. The following is an example of the creation of four User accounts for Exchange 9040.


User Accounts
Learn About
User Accounts
Pick a task...
Change an account
Change the way users log on or off
or pick an account to change
test
user01
user02
user03
user04
Guest

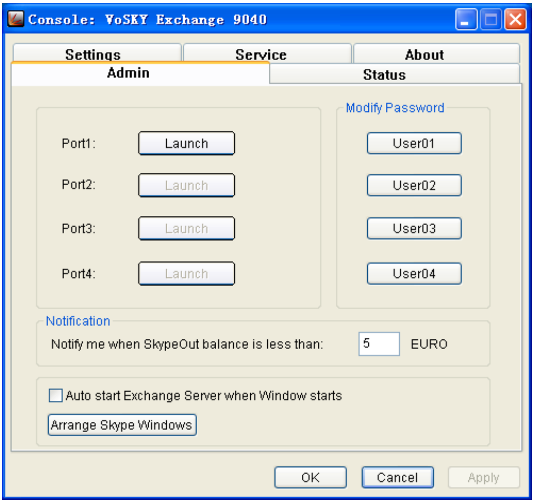
We recommend designating a special computer for Exchange 9040/9080 and set a password for your computer’s windows administrator for security. **Windows user accounts created by Exchange 9040/9080 cannot be deleted**. If a user account is deleted, Exchange 9040/9080 will not work properly.

10

Launching Exchange 9040/9080 Software

When Exchange 9040/9080 software has been installed, Exchange 9040/9080 Console will launch automatically. Before launching Exchange Ports, make sure you have activated Exchange 9040/9080 software. Since the activation of Exchange 9080 is similar to Exchange 9040, the next paragraphs show only examples of activating Exchange 9040. The following procedure should be followed to launch each port of Exchange.

1. Click the **Launch** button.

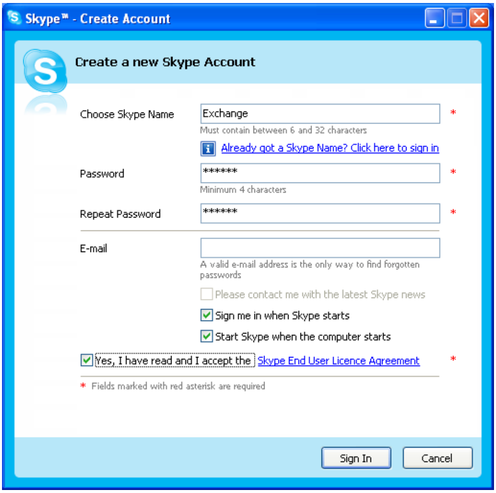

Console: VoSKY Exchange 9040
Settings
Service
About
Admin
Status
Port1:
Launch
Port2:
Launch
Port3:
Launch
Port4:
Launch
Modify Password
User01
User02
User03
User04
Notification
Arrange Skype Windows
OK
Cancel
Apply

Notify me when SkypeOut balance is less than: 5 EURO

☐ Auto start Exchange Server when Window starts

Note: If your system could not launch Skype application after clicking the "**Launch**" button, please check the following items:
Right click **My Computer** and select **Manage**. Select Services in the **Manage and Applications** and confirm that the **Secondary Logon** service has been **Started**.

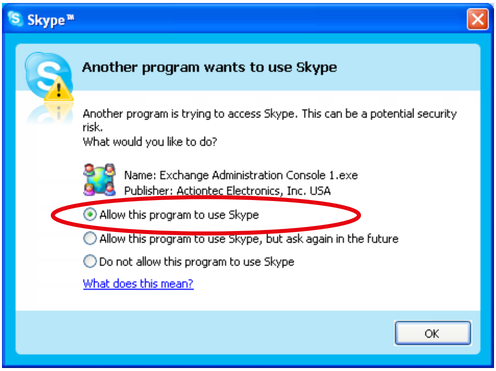
2. Skype will launch. Log in by using an existing Skype account or creating a new one. On the **Create a New Skype Account** screen, check the boxes next to **Sign me in when Skype starts** and **Start Skype when the computer starts.**



Choose Skype Name: Exchange *
Must contain between 6 and 32 characters
Already got a Skype Name? Click here to sign in
Password: ****** *
Minimum 4 characters
Repeat Password: ****** *
E-mail:
A valid e-mail address is the only way to find forgotten passwords
☐ Please contact me with the latest Skype news
☑ Sign me in when Skype starts
☑ Start Skype when the computer starts
☑ Yes, I have read and I accept the Skype End User Licence Agreement *
* Fields marked with red asterisk are required

Note: We recommend creating Skype IDs by using a sequential naming convention, such as the following: Company Name, Company Name1, Company Name2, Company Name3…Company Name7. The Skype ID “Company Name” can be used as the Company Skype ID. For example, if you use four Skype accounts, they can be named as follows: Exchange, Exchange1, Exchange2, and Exchange3. Exchange would be used as the Company Skype ID.

3. Wait for Skype to log you in. **Another program wants to use Skype** screen will come up. Click on the circle next to the first option, Allow this program to use Skype, and click OK to save.



Another program wants to use Skype

Another program is trying to access Skype. This can be a potential security risk.
What would you like to do?

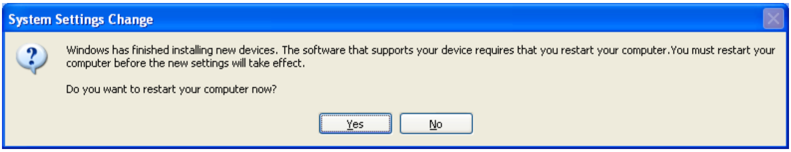
Name: Exchange Administration Console 1.exe
Publisher: Actiontec Electronics, Inc. USA

● Allow this program to use Skype

○ Allow this program to use Skype, but ask again in the future

○ Do not allow this program to use Skype

Note: After launching a port on Exchange 9040 /9080, a **System Settings Change** window will pop up to ask if you want to restart your computer. Click **No**.


System Settings Change

Windows has finished installing new devices. The software that supports your device requires that you restart your computer.You must restart your computer before the new settings will take effect.

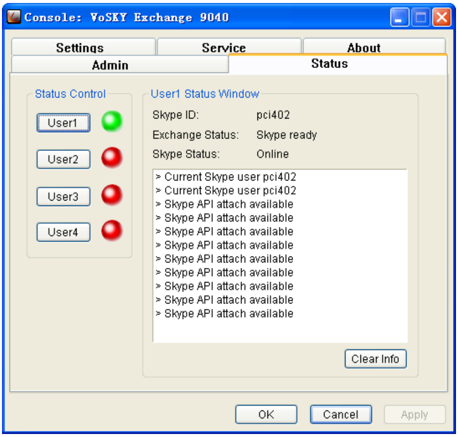
Do you want to restart your computer now?

4. You can click the **Status** tab in Exchange 9040 Console to check the user account status.

Green light: The connection is working properly and the phone status is on-hook.

Red light: The connection is not available or is not working properly.

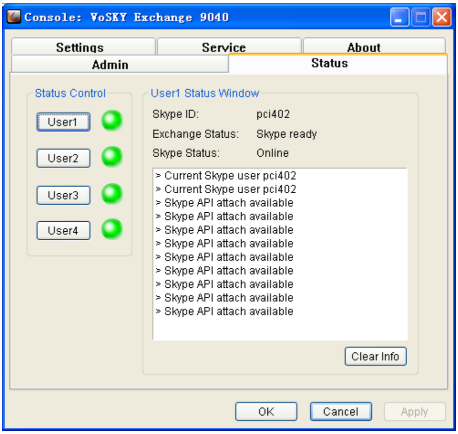
Blue light: The connection is working properly and the phone status is off-hook or busy.


Console: VoSKY Exchange 9040
Settings
Service
About
Admin
Status
Status Control
User1
User2
User3
User4
User1 Status Window
Clear Info
OK
Cancel
Apply

Skype ID: pci402
Exchange Status: Skype ready
Skype Status: Online

```
> Current Skype user pci402
> Current Skype user pci402
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
```

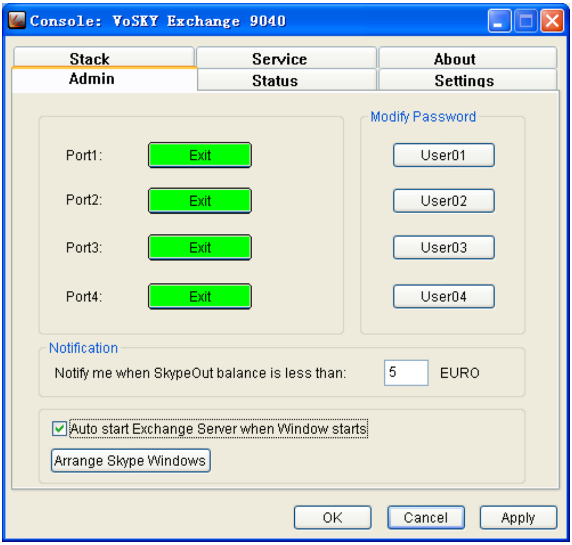
5. After these steps are complete, repeat steps 1-3 to launch the remaining ports and activate the rest of your company's Skype accounts. When the remaining Skype accounts are activated, the status indicators should all turn green (as shown in the following screen shot).


Console: VoSKY Exchange 9040
Settings
Service
About
Admin
Status
Status Control
User1
User2
User3
User4
User1 Status Window
Clear Info
OK
Cancel
Apply

Skype ID: pci402
Exchange Status: Skype ready
Skype Status: Online

```
> Current Skype user pci402
> Current Skype user pci402
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
> Skype API attach available
```

Note: Ports 1, 2, 3, and 4 need to launch for Exchange to operate at peak level. Click the option **Auto start Exchange Server when Windows starts**.


Console: VoSKY Exchange 9040
Stack
Service
About
Admin
Status
Settings
Port1:
Exit
Port2:
Exit
Port3:
Exit
Port4:
Exit
Modify Password
User01
User02
User03
User04
Notification
Arrange Skype Windows
OK
Cancel
Apply

Notify me when SkypeOut balance is less than: 5 EURO

☑ Auto start Exchange Server when Window starts

Note: If you want to activate the Exchange 9080's stacking feature, go to section 16.6-*Service Settings* to activate the stacking service in this manual.

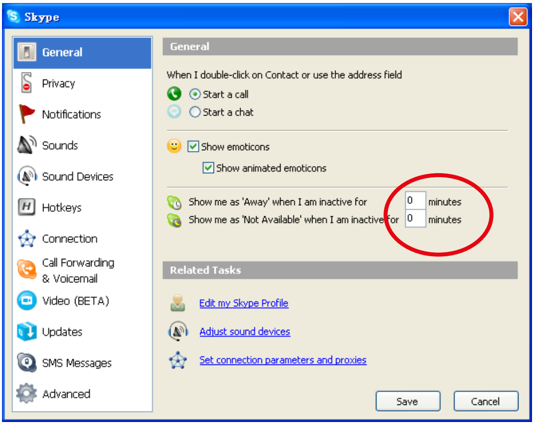
Adjusting Skype Settings

11

When you have registered all Skype accounts, adjust each of the Skype account's settings for better operation.

11.1 Set Skype Always Online

By default, Skype status will show as “Away” when you are inactive for 5 minutes, and show as “Not Available” when you are inactive for 20 minutes. set both of these values to “0” minutes to show your Skype status as always “online” as shown below.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
General
Related Tasks
Edit my Skype Profile
Adjust sound devices
Set connection parameters and proxies
Save
Cancel

When I double-click on Contact or use the address field

● Start a call

○ Start a chat

☑ Show emoticons

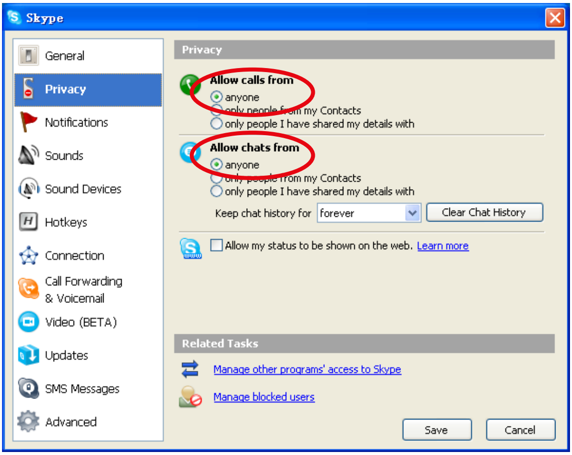
☑ Show animated emoticons

Show me as 'Away' when I am inactive for 0 minutes

Show me as 'Not Available' when I am inactive for 0 minutes

11.2 Allow calls/chats from

If you connected Exchange 9040/9080 to a PBX and want to let other Skype users call Exchange 9040/9080, you must adjust your Skype settings. Under Skype, go to **Tools→Options**. Click **Privacy** and ensure that the “**anyone**” option under **Allow calls from** and **allow chats from** is selected. Then click **Save** to save the modification.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Privacy
Clear Chat History
Learn more
Related Tasks
Manage other programs' access to Skype
Manage blocked users
Save
Cancel

Allow calls from
● anyone
○ only people from my Contacts
○ only people I have shared my details with

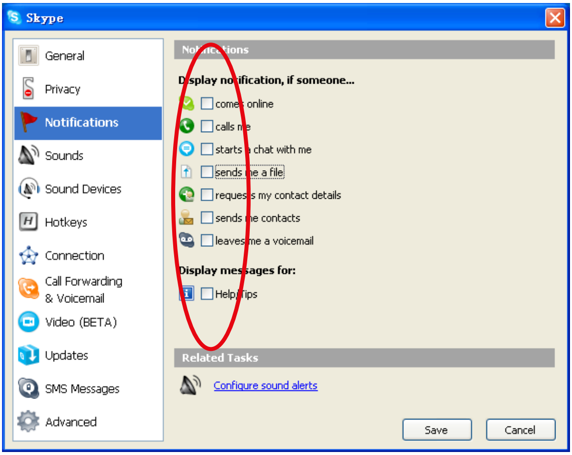
Allow chats from
● anyone
○ only people from my Contacts
○ only people I have shared my details with

Keep chat history for: forever

☐ Allow my status to be shown on the web.

11.3 Disable Notifications Display

To improve Exchange 9040/9080's performance, disable notifications display as shown below:

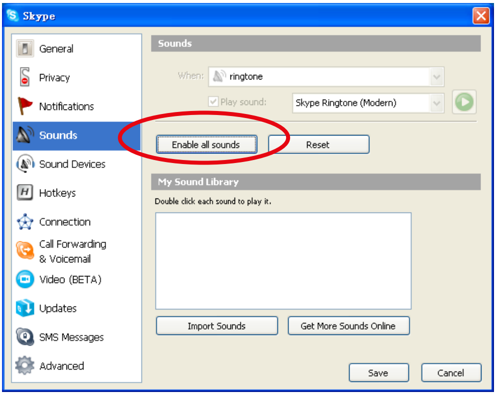

Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Notifications
Related Tasks
Configure sound alerts
Save
Cancel

Display notification, if someone...
☐ comes online
☐ calls me
☐ starts a chat with me
☐ sends me a file
☐ requests my contact details
☐ sends me contacts
☐ leaves me a voicemail

Display messages for:
☐ Help/Tips

11.4 Disable Skype Sounds

Exchange 9040/9080 does not need Skype generated sounds. Please disable Skype sounds as shown below.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Sounds
Enable all sounds
Reset
My Sound Library
Import Sounds
Get More Sounds Online
Save
Cancel

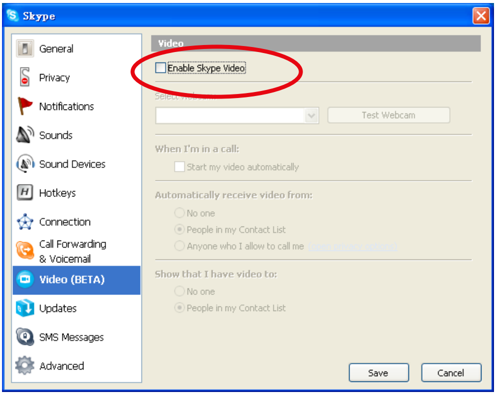
When: ringtone

☑ Play sound: Skype Ringtone (Modern)

Double click each sound to play it.

11.5 Disable Skype Video

Skype Video needs to be disabled when running Skype 2.0 (and above) on the Exchange 9040/9080. Please disable Skype Video as shown below.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Video
Test Webcam
Save
Cancel

☐ Enable Skype Video

When I'm in a call:

☐ Start my video automatically

Automatically receive video from:

○ No one

● People in my Contact List

○ Anyone who I allow to call me

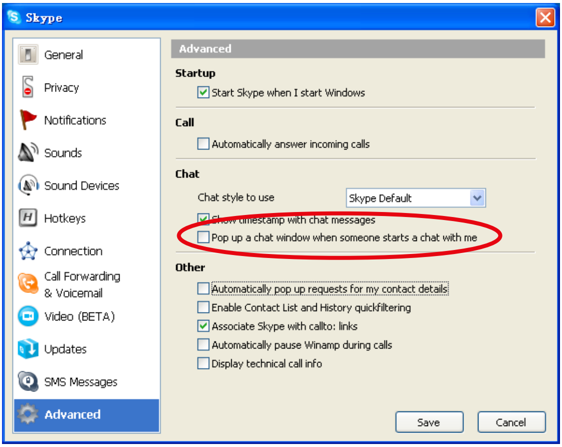
Show that I have video to:

○ No one

● People in my Contact List

11.6 Remove IM Chat Window

To prevent the IM chat window from popping up on the screen, uncheck the selection as indicated below.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Save
Cancel

Advanced

Startup

☑ Start Skype when I start Windows

Call

☐ Automatically answer incoming calls

Chat

Chat style to use: Skype Default

☑ Show timestamp with chat messages

☐ Pop up a chat window when someone starts a chat with me

Other

☐ Automatically pop up requests for my contact details

☐ Enable Contact List and History quickfiltering

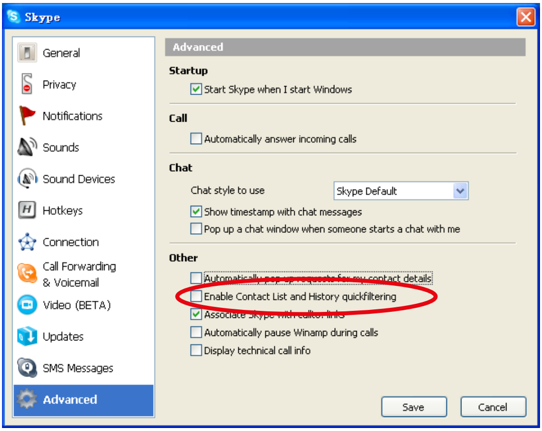
☑ Associate Skype with callto: links

☐ Automatically pause Winamp during calls

☐ Display technical call info

11.7 Disable Pop up Requests for Contact Details

To disable pop up the requests for your contact details, uncheck the selection as indicated as below.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Save
Cancel

Advanced

Startup

☑ Start Skype when I start Windows

Call

☐ Automatically answer incoming calls

Chat

Chat style to use: Skype Default

☑ Show timestamp with chat messages

☐ Pop up a chat window when someone starts a chat with me

Other

☐ Automatically pop up requests for my contact details

☐ Enable Contact List and History quickfiltering

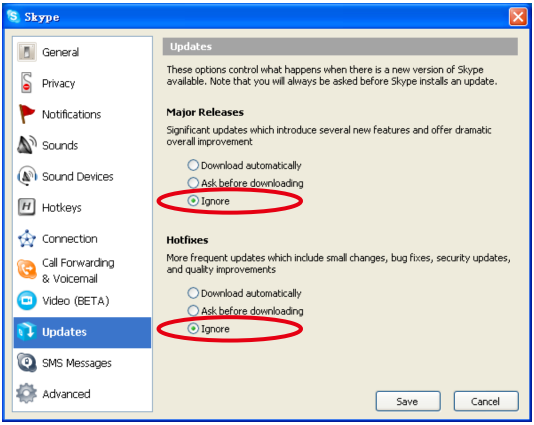
☑ Associate Skype with callto: links

☐ Automatically pause Winamp during calls

☐ Display technical call info

11.8 Set Skype Updates for Major Releases and Hotfixes to "Ignore"

It is recommended that you shouldset Skype updates for major releases and hotfixes to "Ignore" to ensure Exchange's better performance. Select **Ignore** as shown below. If you want to install Skype updates and hotfixes, please do it after exiting Exchange 9040/9080 Console.


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Save
Cancel

Updates

These options control what happens when there is a new version of Skype available. Note that you will always be asked before Skype installs an update.

Major Releases

Significant updates which introduce several new features and offer dramatic overall improvement

○ Download automatically

○ Ask before downloading

● Ignore

Hotfixes

More frequent updates which include small changes, bug fixes, security updates, and quality improvements

○ Download automatically

○ Ask before downloading

● Ignore

Verifying Exchange 9040/9080 System

12

Please step through the procedures below to verify Exchange 9040/9080 insatllation and make sure that both the software and the hardware have been set up correctly and can function properly.

1. Connect Exchange 9040/9080's FXS ports to ordinary phones (except pulse phones) with the supplied telephone cables (RJ-11).
2. Have a Skype user call each of the Skype IDs and make sure every phone rings and the two parties can communicate when the telephone is answered.
3. The installation creates a default public Skype ID: echo123 with speed dial key 1. Pick up any phone and dial 1 to make an outbound call to echo123. Make sure you can hear the Skype call test voice.
4. Record a message of ten seconds after the beep, and make sure you can hear your recorded voice message.

Note: You must make sure the above steps are all successfully completed and functional before connecting to the PBX.

Setting up the PBX

13

13.1 Configuring the PBX

Before you configure your PBX, make sure your PBX has auto-attendant and automatic detection of a busy tone (or wink) for hanging up the call. It is recommended to request your PBX supplier to set up the PBX as follows:

1. Record the following technical information from your PBX specification for future troubleshooting:
   - **a.** Ringing signal to your PBX
   - **b.** Hang-up signal to your PBX
   - **c.** Off-hook signal from your PBX
   - **d.** Does your PBX support "Polarity Reversal" as hang up signal?
2. Obtain up to 4/8 available PBX analog trunk ports for Exchange 9040/9080 connection.
3. Assign a hunting group number for each analog trunk ports used (set a different hunting group number from the existing one).
4. Confirm all functions configured on the analog trunk ports for the PSTN connection are also configured on the analog trunk ports for Exchange 9040/9080 connection.

Note: Generally, a PBX uses a 9 or 0 number to give users access to the PSTN line. When you set the hunting group number to another number, an extension user just needs to dial this number to access the Skype line.

13.2 Verifying the PBX

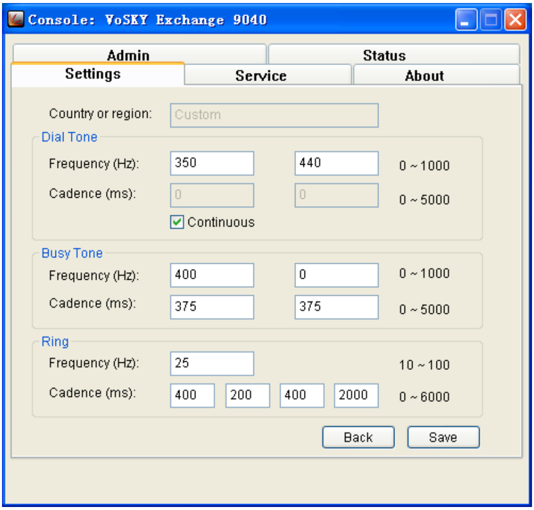
Before connecting Exchange 9040/9080 to PBX's trunk ports, please do the following steps to ensure your Exchange 9040/9080 Hunting Group Number, Auto Attendant and calling extension and other functions are normal. If not, please contact your PBX supplier for servicing.

1. Connect the PBX's trunk ports that are reserved for Exchange 9040/9080 to your company's outside lines.
2. Pick up any extension phone and dial the hunting number to access the PSTN line. After you hear the dial tone, call a landline phone, a cell phone, and other company office extension phone. Make sure the connections are normal and the two parties can communicate.
3. Dial your company's phone number from a landline phone, a cell phone and an office extension phone. Enter an extension number after you hear the greeting message. Make sure the connections are normal and the two parties can communicate.
4. Re-connect your company's outside lines from the PBX's (Skype lines) trunk ports back to its previous (PSTN) trunk ports.
5. Run steps 1-4 for each trunk port.

Note: You must make sure the above steps are all successfully completed to ensure the PBX hunting group number setup is correct.

13.3 Setting up the Telecommunication Parameters

The default Region settings are based on your the geographic location setting of your server's operating system. The telecommunication parameters of all countries have been added into Exchange 9040/9080 system for you. However, you may need to modify the standard value under some circumstances, since there are brand and setting differences among the equipments of different telecommunication companies and the distance between telecommunication offices and end users will affect the telecommunication parameter as well. The Line Locking problem may occur when the differences are too big and no adjustment is made.If you want to customize the frequency and cadence to satisfy your PBX, go to **Settings** tab in Exchange Console, choose the **Custom** option, click **Change** to customize the frequency and cadence parameters for any PBX as shown below.



Country or region: Custom

Dial Tone
Frequency (Hz): 350 440 0 ~ 1000
Cadence (ms): 0 0 0 ~ 5000
☑ Continuous

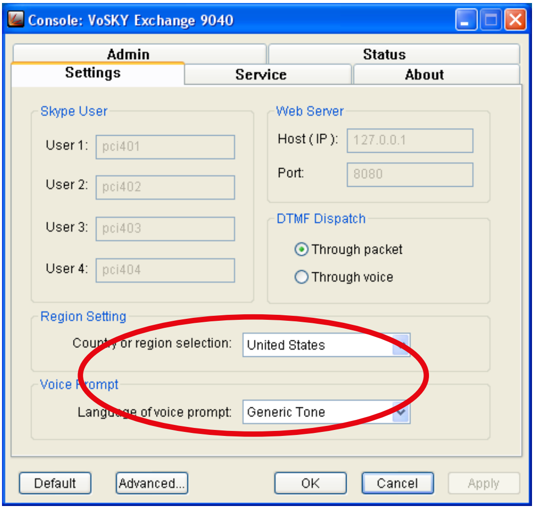
Busy Tone
Frequency (Hz): 400 0 0 ~ 1000
Cadence (ms): 375 375 0 ~ 5000

Ring
Frequency (Hz): 25 10 ~ 100
Cadence (ms): 400 200 400 2000 0 ~ 6000

Note:

1. If the Line lock problem (the remote side does not release the line after hanging up) happens, you should consult with the local telecommunication company or the supplier of your PBX for the correct Busy Tone telecommunication parameters.
2. If the Exchange 9040/9080 cannot connect to the PBX on incoming Skype calls, such as when a remote Skype caller calls your Company Skype ID but cannot get the PBX’s auto attendant greeting, then a possible cause is an incorrect Ring Tone parameter configuration. Please ask the local telecommunication company or the supplier of PBX for the correct Ring Tone telecommunication parameter.

The **Voice Prompt** settings now have a new default option for a **Generic Tone**. In some cases, the PBX will automatically check for a valid trunk port by trying to detect a dial tone after a temporary off-hook period. If this occurs the "Generic Tone" option will send out a dial tone to meet the PBX's requirement. If your PBX does not have this feature, then the typical voice prompt greeting is recommended.


Console: VoSKY Exchange 9040
Admin
Status
Settings
Service
About
Skype User
Web Server
DTMF Dispatch
Region Setting
Voice Prompt
Default
Advanced...
OK
Cancel
Apply

User 1: pci401
User 2: pci402
User 3: pci403
User 4: pci404
Host (IP): 127.0.0.1
Port: 8080
● Through packet
○ Through voice
Country or region selection: United States
Language of voice prompt: Generic Tone

Appendix D has a list of PBXs compatible with Exchange 9040/9080.

Connecting the PBX to Exchange 9040/9080

14

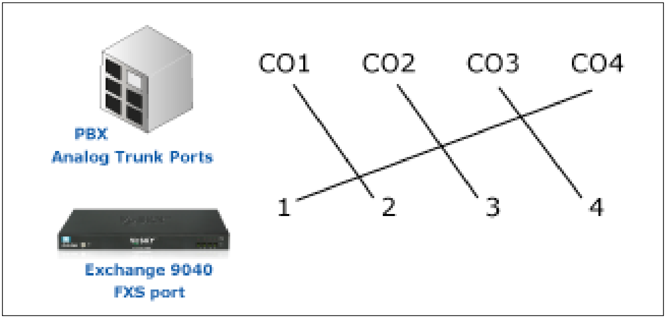
After completing the steps outlined in Section 13,perform the following procedure to connect Exchange 9040/9080 to a PBX:

We recommend you connect Exchange 9040/9080 to the PBX trunk ports, with the supplied telephone cables (RJ-11), using the following connection scheme. This may increase the reliability of Exchange 9040/9080 when making and receiving calls:

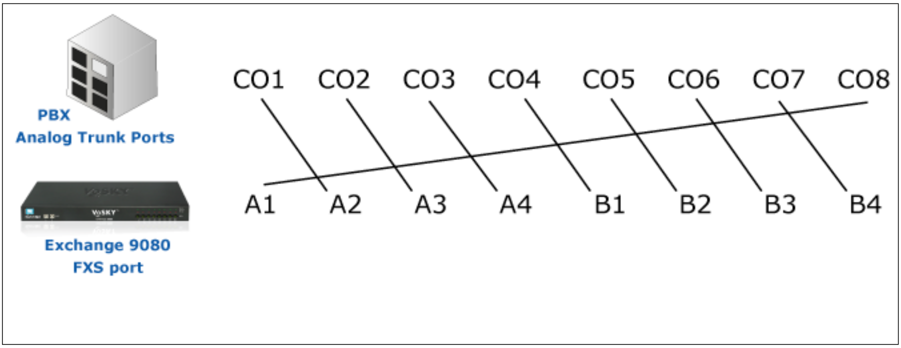
Note 1: CO port = Analog trunk port

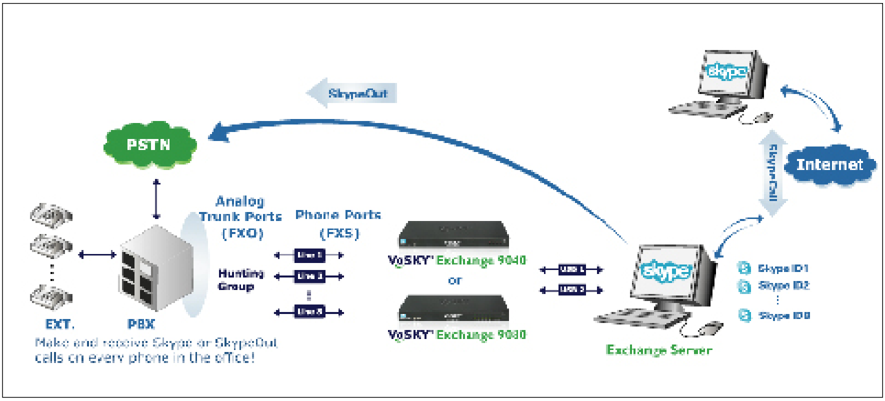
Note 2: Assuming PBX's CO ports hunting order is from CO1 to CO4 (CO8).

Exchange 9040: Connect Exchange 9040's FXS1 port to the PBX's CO4 port, FXS2 port to the CO1 port, FXS3 port to the CO2 port, FXS4 port to the CO3 port.



Exchange 9080: Connect Exchange 9080's FXS A1 port to the PBX's CO8 port, FXS A2 port to the CO1 port, FXS A3 port to the CO2 port … FXS B1 port to CO4 port… FXS B4 port to CO7 port.


PBX
Analog Trunk Ports
Exchange 9080
FXS port
CO1
CO2
CO3
CO4
CO5
CO6
CO7
CO8
A1
A2
A3
A4
B1
B2
B3
B4

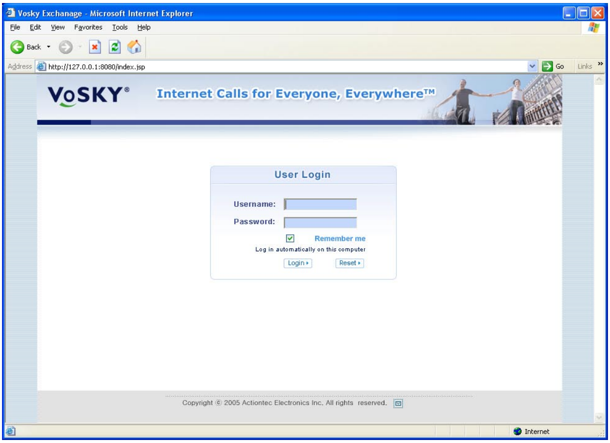

SkypeOut
PSTN
Internet
SkypeCall
Analog
Trunk Ports
(FXO)
Phone Ports
(FXS)
Hunting
Group
Line 1
Line 2
Line 8
VoSKY Exchange 9040
or
VoSKY Exchange 9080
USB 1
USB 2
Skype ID1
Skype ID2
Skype ID8
EXT.
PBX
Exchange Server
Make and receive Skype or SkypeOut
calls on every phone in the office!

Managing Your Exchange User Account

15

15.1 Logging in

Open your browser and type in http://localhost:8080 in the address bar. This will open the VoSKY Exchange user login page. Input your username and password to gain access. Use the default administrator username "admin" and the default password "password" to log in. If you want to log in automatically, select the box next to **Remember me**.


Vosky Exchanage - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Go
Links
VoSKY®
Internet Calls for Everyone, Everywhere™
Login
Reset
Internet

Address http://127.0.0.1:8080/index.jsp

User Login

Username:

Password:

☑ Remember me

Log in automatically on this computer

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15.2 Configuration Wizard

15.2.1 SkypeOut Settings

On initial login, the configuration wizard will ask you several questions in order to properly set up the administrator account. First configure the SkypeOut settings. You can choose the option to open the SkypeOut to all people or not.

1. **Yes** (If you select any option under “ **Yes**”, the default setting for “Allow to Dial SkypeOut” will be YES when adding Users)

   a. **Allow SkypeOut direct dial**

      i. All users are allowed to direct dial SkypeOut numbers

      ii. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

      iii. The user is allowed to make SkypeOut calls by dialing the speed dial key of a SkypeOut number entered in his Private Contact list: **PIN+speed-dial key**

      iv. The user is allowed to direct dial SkypeOut by dialing their PIN and the SkypeOut number: **PIN+SkypeOut**

   b. **Allow SkypeOut direct dial with PIN**

      i. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

      ii. The user is allowed to make SkypeOut calls by dialing the speed dial key of a SkypeOut number entered in his Private Contact list: **PIN+speed-dial key**

      iii. The user is allowed to direct dial SkypeOut by dialing their PIN and the SkypeOut number: **PIN+SkypeOut**

   c. **Allow SkypeOut calls using speed-dial key only**

      i. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

      ii. The user is allowed to make SkypeOut calls by dialing the speed-dial keys of SkypeOut numbers entered in his Private Contacts list: **PIN+speed-dial key**

   d. **Allow SkypeOut calls using speed-dial key and password**

      i. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

ii. Users are allowed to make SkypeOut calls by dialing their PIN, the speed dial key of a SkypeOut number in their Private Contacts list, and their password: **PIN+speed-dial key+*+SkypeOut password**

	Dial SkypeOut directly	PIN + Skype Out	PIN+ Private Speed-dial Key	PIN+ Private Speed-dial Key+ * +SkypeOut Password
Allow SkypeOut direct dial	Yes	Yes	Yes	Yes
Allow SkypeOut direct dial with PIN	No	Yes	Yes	Yes
Allow SkypeOut calls using speed-dial key only	No	No	Yes	Yes
Allow SkypeOut calls using speed-dial key and password	No	No	No	Yes

2.No(If you select any option under "**No**", the default setting for "Allow to Dial SkypeOut" will be NO when you adding Users)

a. Restrict SkypeOut direct dial with PIN

i. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

ii. The user is allowed to make SkypeOut calls by dialing the speed dial key of a SkypeOut number entered in his Private Contacts list: PIN+speed-dial key

iii. The user is allowed to direct dial a SkypeOut number by dial their PIN and the SkypeOut number: **PIN+SkypeOut**

b. **Restrict SkypeOut calls to designated users using speed-dial key**
   i. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

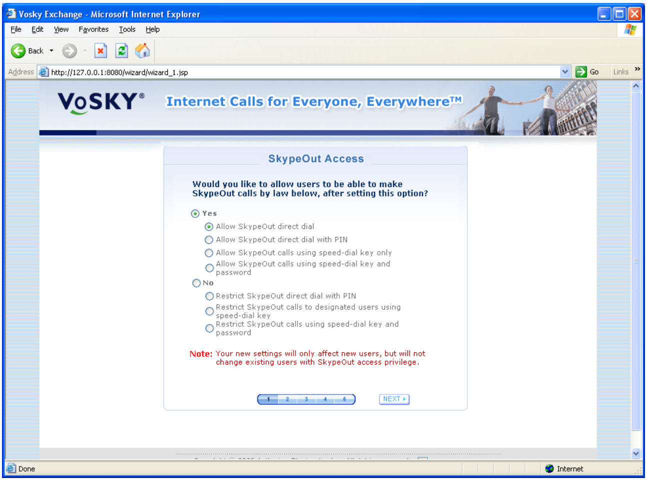
   ii. The user is allowed to make SkypeOut calls by dialing the speed-dial keys of SkypeOut numbers entered in his Private Contacts list: **PIN+speed-dial key**

c. **Restrict SkypeOut calls using speed-dial key and password**
   i. All users are allowed to direct dial SkypeOut numbers entered in the Public Contacts list by dialing the speed dial key of that entry

   ii. Users are allowed to make SkypeOut calls by dialing their PIN, the speed dial key of a SkypeOut number in their Private Contacts list, and their password: **PIN+speed-dial key+*+SkypeOut password**

Please refer to the examples in section 16.2.2 – *Regular Dialing* in order to get a detailed explanation of the different options offered for SkypeOut Access.

	Dial SkypeOut directly	PIN + Skype Out	PIN+ Private Speed-dial Key	PIN+ Private Speed-dial Key+ * +SkypeOut Password
Restrict SkypeOut direct dial with PIN	No	Yes	Yes	Yes
Restrict SkypeOut calls to designated users using speed-dial key	No	No	Yes	Yes
Restrict SkypeOut calls using speed-dial key and password	No	No	No	Yes



Vosky Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/wizard/wizard_1.jsp
Go
Links
VoSKY
Internet Calls for Everyone, Everywhere™

SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

● Yes

- ● Allow SkypeOut direct dial
- ○ Allow SkypeOut direct dial with PIN
- ○ Allow SkypeOut calls using speed-dial key only
- ○ Allow SkypeOut calls using speed-dial key and password

○ No

- ○ Restrict SkypeOut direct dial with PIN
- ○ Restrict SkypeOut calls to designated users using speed-dial key
- ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

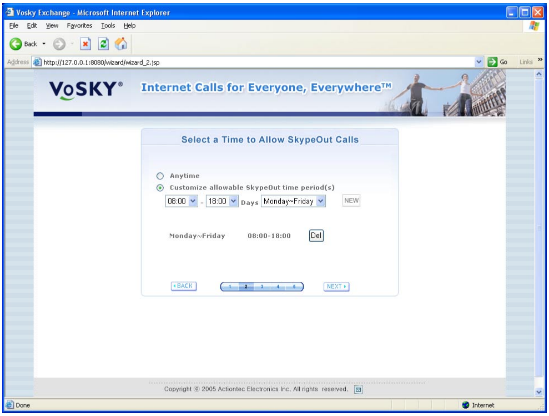
1 2 3 4 5
NEXT
Done
Internet

Please choose the option that is best suited for your requirements and then click **Next**.

15.2.2 SkypeOut Call Availability

Configure the time period for which you want to allow SkypeOut functionality. If you don’t want to limit the SkypeOut dialing time, choose the **Anytime** option. If you want to customize the time period, select the time in the drop-down list, then click the **New** button to add a new item. When you finish configuring, click **Next**.

The following example shows how to customize the SkypeOut function to allow usage only from Monday to Friday, 8:00 am to 6:00 pm.


Vosky Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/wizard/wizard_2.jsp
Go
Links
VoSKY®
Internet Calls for Everyone, Everywhere™
Copyright © 2005 Actiontec Electronics Inc. All rights reserved.
Done
Internet

Select a Time to Allow SkypeOut Calls

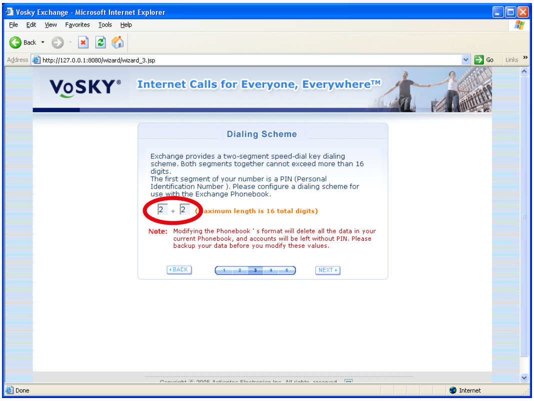
○ Anytime
● Customize allowable SkypeOut time period(s)
08:00 - 18:00 Days Monday~Friday NEW

Monday~Friday 08:00-18:00 Del

BACK 1 2 3 4 5 NEXT

15.2.3 Phonebook Dialing Scheme

Configure the dialing Scheme to use with Phonebook. Exchange provides a two-segment (16 digits maximum) speed dial key. The first segment is a PIN (personal identification number). The number of allowable digits for the PIN can be any number from 0 to 15. The second segment is a key and the digits for the key cannot be 0(The speed dial key can begin with ”0”, for example “011”). The default format is 2+2 (2-digit PIN + 2-digit key). Please enter the number in the fields as shown below and click **Next**.


Vosky Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/wizard/wizard_3.jsp
Go
Links
VoSKY®
Internet Calls for Everyone, Everywhere™
Done
Internet

Dialing Scheme

Exchange provides a two-segment speed-dial key dialing scheme. Both segments together cannot exceed more than 16 digits.
The first segment of your number is a PIN (Personal Identification Number). Please configure a dialing scheme for use with the Exchange Phonebook.

2 + 2 (aximum length is 16 total digits)

Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.

BACK 1 2 3 4 5 NEXT

15.2.4 Administrator's Settings

Configure the administrator's settings. You can modify the following:

- Password
- Nickname
- Extension Number
- Cell Phone Number
- Skype ID
- Comments

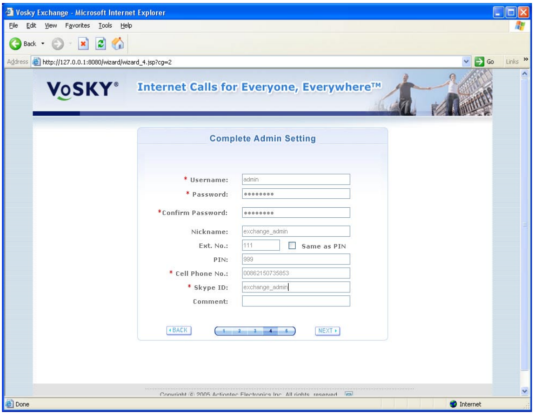
The Username and PIN cannot be modified. The Cell Phone Number and Skype ID fields are required.

In the **Cell Phone Number** field, enter the SkypeOut format: **00 + country code + area code + local phone number** or **00 + country code + mobile phone number**.

Example:

1. To make a SkypeOut call to the telephone number "55662211" located in Shanghai (area code 21), China (country code 86), dial: **00862155662211**.
2. To make a SkypeOut call to the mobile telephone number "13502112255", located in China (country code 86), dial: **008613502112255**.

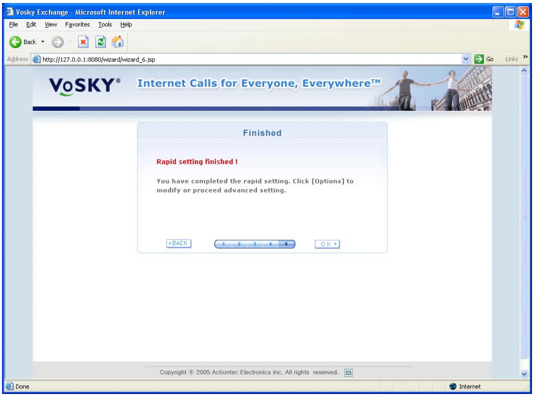
You must enter your Skype ID and Cell Phone Number because they are used for auto-notification. When finished, click **Next**.


Vosky Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/wizard/wizard_4.jsp?cg=2
Go
Links
VoSKY®
Internet Calls for Everyone, Everywhere™
‹BACK
1 2 3 4 5
NEXT›
Copyright © 2005 Actiontec Electronics Inc. All rights reserved.
Done
Internet

Complete Admin Setting

* Username: admin
* Password: ●●●●●●●●●
*Confirm Password: ●●●●●●●●●
Nickname: exchange_admin
Ext. No.: 111 ☐ Same as PIN
PIN: 999
* Cell Phone No.: 00862150735853
* Skype ID: exchange_admin
Comment:

Now that you have completed the configuration wizard, you have the option to click **Back** and modify the previous settings, or just click **OK** to finish.


Vosky Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/wizard/wizard_6.jsp
Go
Links
VoSKY®
Internet Calls for Everyone, Everywhere™
‹BACK
1 2 3 4 5
O K ›
Copyright © 2005 Actiontec Electronics Inc. All rights reserved.
Done
Internet

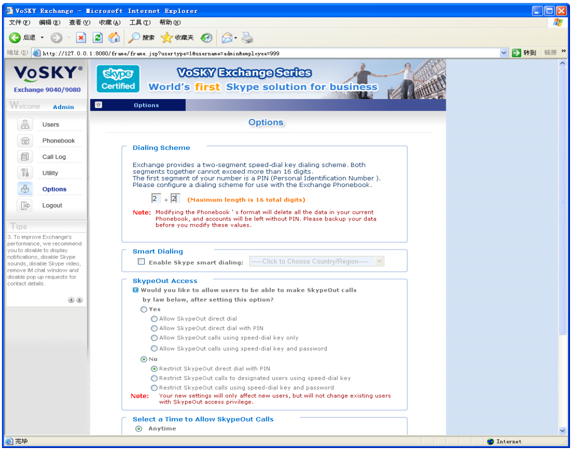
Finished

Rapid setting finished !

You have completed the rapid setting. Click [Options] to modify or proceed advanced setting.

15.3 Advanced Settings

If you want to modify the settings that you have configured in the configuration wizard, click **Options** in the left panel. You can modify settings such as the Dialing Scheme, Smart Dialing, SkypeOut Access, and SkypeOut calls' allowable time as shown below.


VoSKY Exchange - Microsoft Internet Explorer
文件(F) 编辑(E) 查看(V) 收藏(A) 工具(T) 帮助(H)
后退 搜索 收藏夹
地址(D) http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
转到 链接
VoSKY Exchange 9040/9080
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Options
完毕
Internet

3. To improve Exchange's performance, we recommend you to disable to display notifications, disable Skype sounds, disable Skype video, remove IM chat window and disable pop up requests for contact details.

Options

Dialing Scheme

Exchange provides a two-segment speed-dial key dialing scheme. Both segments together cannot exceed more than 16 digits.
The first segment of your number is a PIN (Personal Identification Number).
Please configure a dialing scheme for use with the Exchange Phonebook.

2 + 2 (Maximum length is 16 total digits)

Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.

Smart Dialing

☐ Enable Skype smart dialing: -----Click to Choose Country/Region-----

SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

- ○ Yes
  - ○ Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password
- ● No
  - ● Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

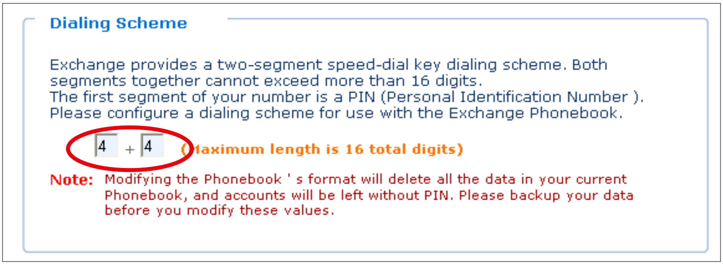
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

Select a Time to Allow SkypeOut Calls

● Anytime

15.3.1 Modifying Dialing Scheme

The administrator has configured the dialing scheme in configuration wizard. If you want to modify it, enter the new scheme in the textbox. The Dialing Scheme will be changed from 2+2 to 4+4 as shown below:



Dialing Scheme

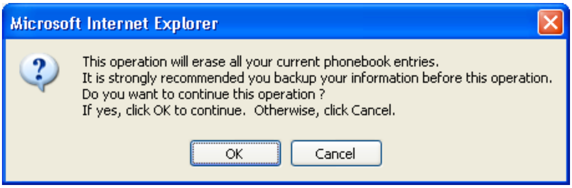
Exchange provides a two-segment speed-dial key dialing scheme. Both segments together cannot exceed more than 16 digits.
The first segment of your number is a PIN (Personal Identification Number).
Please configure a dialing scheme for use with the Exchange Phonebook.

4 + 4 (Maximum length is 16 total digits)

Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.

Note: Modifying the Phonebook's format will delete all the data in your current Phonebook and Accounts will be left without a PIN. Please backup your data before you modify these values.

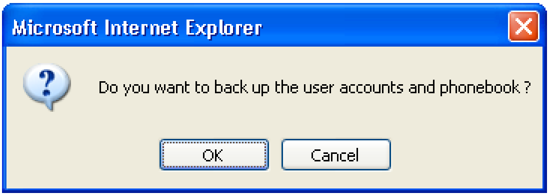
After modifying the Dialing Scheme, a warning message will pop-up to prompt you to backup the data. If you'd like to backup, click **OK**; if you want to cancel the modifications you've made, click **Cancel**.



Microsoft Internet Explorer

This operation will erase all your current phonebook entries.
It is strongly recommended you backup your information before this operation.
Do you want to continue this operation ?
If yes, click OK to continue. Otherwise, click Cancel.

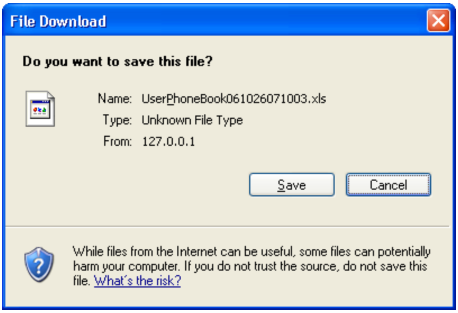
After clicking **OK**, a warning message will pop-up to ask "Do you want to back up the user accounts and phonebook?" If you'd like to backup, click **OK**; if not, click **Cancel** (If you choose to cancel the backup, all the data in phonebook will be deleted forever).



Microsoft Internet Explorer

Do you want to back up the user accounts and phonebook ?

After clicking **OK**, save the backup user accounts and phonebook onto your local disk.



Do you want to save this file?

Name: UserPhoneBook061026071003.xls
Type: Unknown File Type
From: 127.0.0.1

While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not save this file. What's the risk?

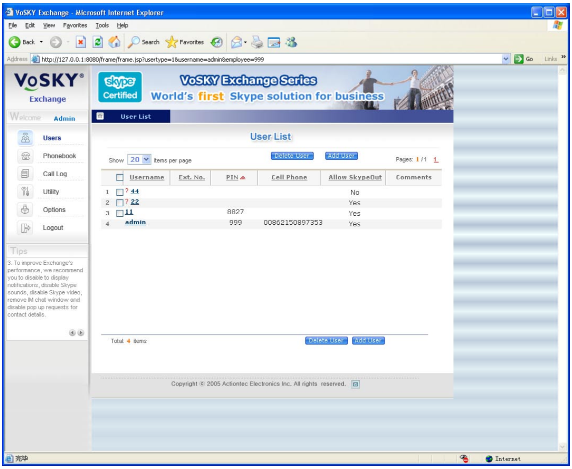
The format of user account and phonebook file is Excel (*.xls) after system back-up. You can just open a file to enter the PIN and speed dial key under the new rule.

Enter the PIN and speed dial key in Excel file:

In the User sheet, the value of OldEmployeeNo field is the former PIN before modification of dialing scheme.

1. Enter the new PIN into the OldEmployeeNo field in the User sheet.
2. Enter the new PIN into the OldEmployeeNo field in the Phone Book sheet.
3. Enter the new PIN into the SpeedDial field in the Phone Book sheet.

After modifying the Dialing Scheme, the PIN for all of your user accounts will be erased. Users cannot login and manage their account until their PINs are reset. On the user list, a "**?**" will be displayed for the accounts whose PIN has been erased and currently unavailable, as shown in the figure below:


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
VoSKY Exchange
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
VoSKY Exchange Series
World's first Skype solution for business
User List
Delete User
Add User
Internet

User List

Show 20 items per page   Pages: 1 / 1 1

	Username	Ext. No.	PIN	Cell Phone	Allow SkypeOut	Comments
1	☐ ? 44				No	
2	☐ ? 22				Yes	
3	☐ 11		8827		Yes	
4	admin		999	00862150897353	Yes	

Total: 4 items

3. To improve Exchange's performance, we recommend you to disable to display notifications, disable Skype sounds, disable Skype video, remove IM chat window and disable pop up requests for contact details.

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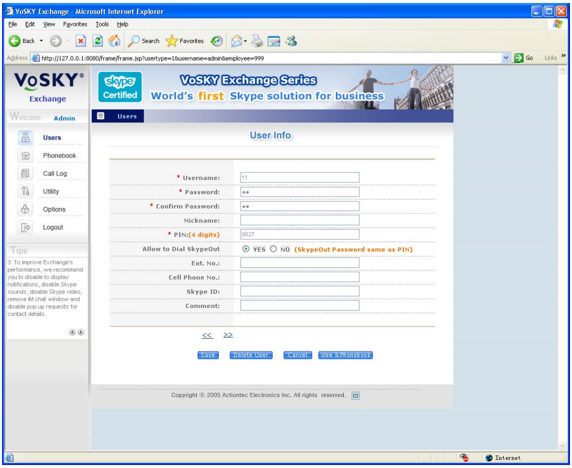
The Administrator should reset the PIN values for these accounts according to the new Dialing Scheme, or the account will be unavailable. Click **Save** to save the modification as shown below (after modification, the PIN parameter now consists of 4 digits).


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
VoSKY Exchange
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
VoSKY Exchange Series
World's first Skype solution for business
Users
<< >>
Save
Delete User
Cancel
View & Phonebook
Internet

User Info

* Username:	11
* Password:	••
* Confirm Password:	••
Nickname:	
* PIN:(4 digits)	8827
Allow to Dial SkypeOut	● YES ○ NO (SkypeOut Password same as PIN)
Ext. No.:	
Cell Phone No.:	
Skype ID:	
Comment:	

3. To improve Exchange's performance, we recommend you to disable to display notifications, disable Skype sounds, disable Skype video, remove IM chat window and disable pop up requests for contact details.

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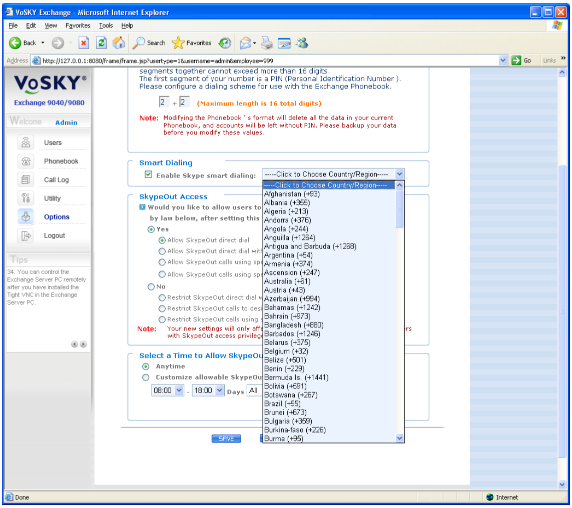
15.3.2 Enabling Smart Dialing

The new Smart Dialing feature is added under the **Options** page. You no longer need to worry about dialing the country code for certain SkypeOut calls when Smart Dialing is enabled. The Smart Dialing feature will enable you to choose a default country code to the country you make most of your SkypeOut calls. These calls can be dialed just like you would dial a domestic call. You don’t need to dial the country code, just the area code and the phone number. To use using this feature, go to **Options**, check **Enable Skype smart dialing**, and pick the country/region from the pull-down list on the right.


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
Go Links
VoSKY Exchange 9040/9080
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
34. You can control the Exchange Server PC remotely after you have installed the Tight VNC in the Exchange Server PC.
-----Click to Choose Country/Region-----
Afghanistan (+93)
Albania (+355)
Algeria (+213)
Andorra (+376)
Angola (+244)
Anguilla (+1264)
Antigua and Barbuda (+1268)
Argentina (+54)
Armenia (+374)
Ascension (+247)
Australia (+61)
Austria (+43)
Azerbaijan (+994)
Bahamas (+1242)
Bahrain (+973)
Bangladesh (+880)
Barbados (+1246)
Belarus (+375)
Belgium (+32)
Belize (+501)
Benin (+229)
Bermuda Is. (+1441)
Bolivia (+591)
Botswana (+267)
Brazil (+55)
Brunei (+673)
Bulgaria (+359)
Burkina-faso (+226)
Burma (+95)
SAVE
Done
Internet

segments together cannot exceed more than 16 digits.
The first segment of your number is a PIN (Personal Identification Number).
Please configure a dialing scheme for use with the Exchange Phonebook.

2 + 2 (Maximum length is 16 total digits)

Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.

Smart Dialing

☑ Enable Skype smart dialing: -----Click to Choose Country/Region-----

SkypeOut Access

Would you like to allow users to
by law below, after setting this

● Yes
- ● Allow SkypeOut direct dial
- ○ Allow SkypeOut direct dial with
- ○ Allow SkypeOut calls using spe
- ○ Allow SkypeOut calls using spe

○ No
- ○ Restrict SkypeOut direct dial w
- ○ Restrict SkypeOut calls to desi
- ○ Restrict SkypeOut calls using s

Note: Your new settings will only affe … rs with SkypeOut access privilege

Select a Time to Allow SkypeOu

● Anytime

○ Customize allowable SkypeOu

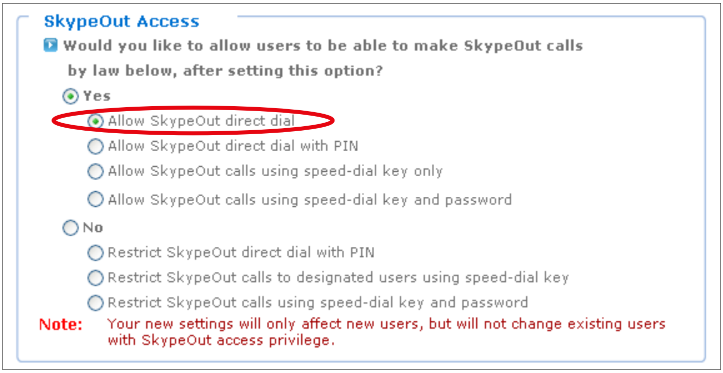
08:00 - 18:00 Days All

After you set up the default country code, to make an international call using Skype smart dialing, dial the following: **0 + area code + phone number or 0 + cell phone number** (0 represents the country code on Exchange).

For all other international SkypeOut calls, dial the following: **00 + country code + area code + phone number** or **00 + country code + cell phone number**.

Smart Dialing only works when dialing a normal SkypeOut number directly. It is recommended you choose one of the three SkypeOut options shown below when using Smart Dialing:

1. **Allow SkypeOut direct dial** under **"Yes"**



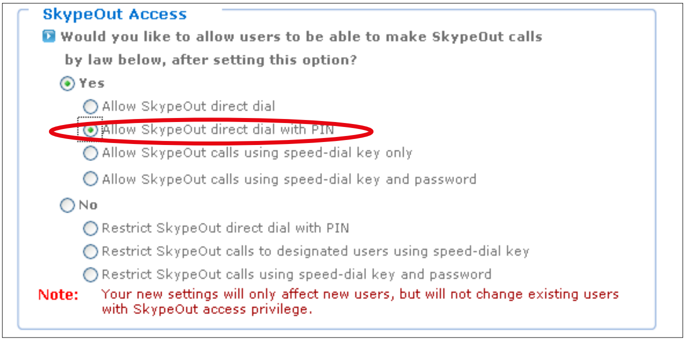
SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

- ● Yes
  - ● Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password
- ○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

2. **Allow SkypeOut direct dial with PIN** under **"Yes"**



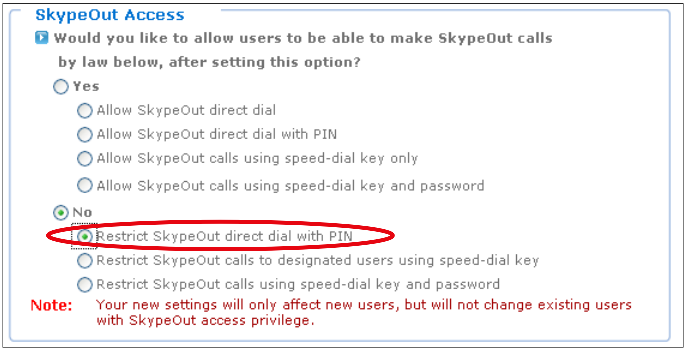
SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

- ● Yes
  - ○ Allow SkypeOut direct dial
  - ● Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password
- ○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

3. **Restrict SkypeOut direct dial with PIN** under **"No"**



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

○ Yes

○ Allow SkypeOut direct dial
○ Allow SkypeOut direct dial with PIN
○ Allow SkypeOut calls using speed-dial key only
○ Allow SkypeOut calls using speed-dial key and password

● No

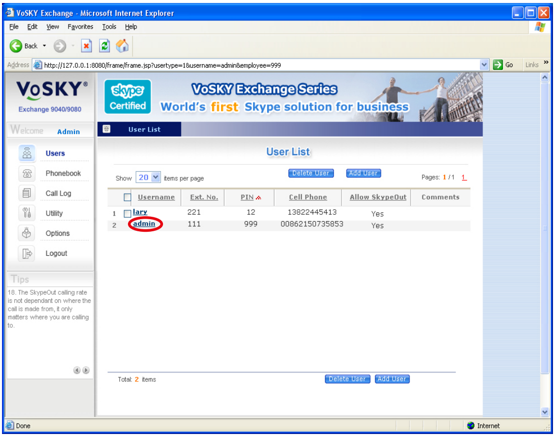
● Restrict SkypeOut direct dial with PIN
○ Restrict SkypeOut calls to designated users using speed-dial key
○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

Note: Smart Dialing is not only restricted to Skype 2.5, it also works with Skype 2.0.

15.4 Modifying Administrator's Information

The administrator can also modify his/her profile information by clicking **admin** in the user list.


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
Go
Links
VoSKY
Exchange 9040/9080
skype Certified
VoSKY Exchange Series
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Welcome Admin
User List
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
Done
Internet

User List

Show 20 items per page Delete User Add User Pages: 1 / 1 1

	☐	Username	Ext. No.	PIN	Cell Phone	Allow SkypeOut	Comments
1	☐	lary	221	12	13822445413	Yes	
2		admin	111	999	00862150735853	Yes	

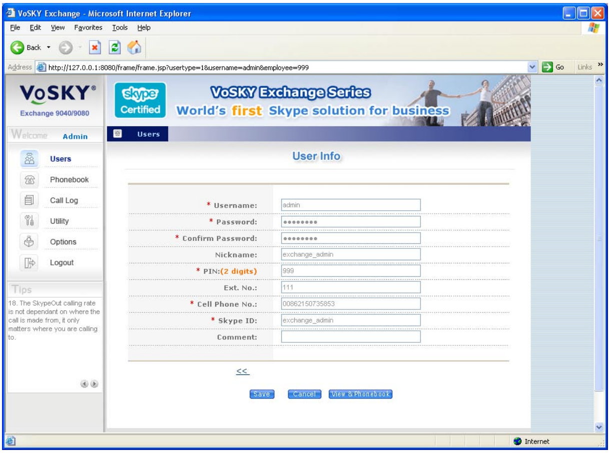
Total: 2 items Delete User Add User

18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

With the exception of the username and PIN, the administrator can modify his/her password, nickname, Ext. number, cell phone number, Skype ID and so on.

For the **Cell Phone Number** field, enter the number in the SkypeOut format: **00 + country code + area code + local phone number** or **00 + country code + mobile phone number**.

You must enter your Skype ID and Cell Phone Number, because they are used in the auto-notification. When you are finished, click **Save**.


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Go
Links
VoSKY
Exchange 9040/9080
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Welcome Admin
Users
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
User Info
<<
Save
Cancel
View & Phonebook
Internet

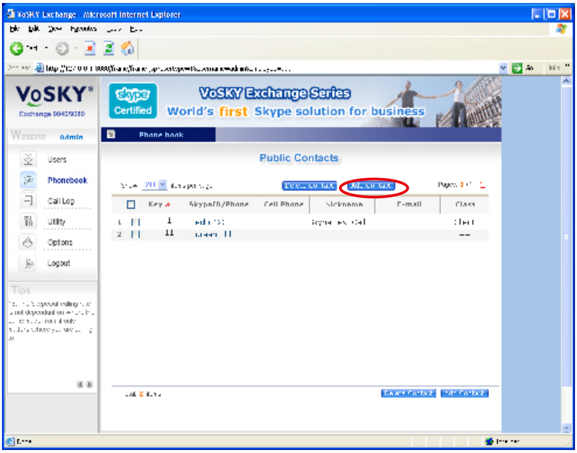
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999

18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

* Username:	admin
* Password:	••••••••
* Confirm Password:	••••••••
Nickname:	exchange_admin
* PIN:(2 digits)	999
Ext. No.:	111
* Cell Phone No.:	00862150735853
* Skype ID:	exchange_admin
Comment:	

15.5 Adding Public Contacts

Click **Phonebook** in the left panel, then click the **Add Contact** button (as shown below) to add a new public contact.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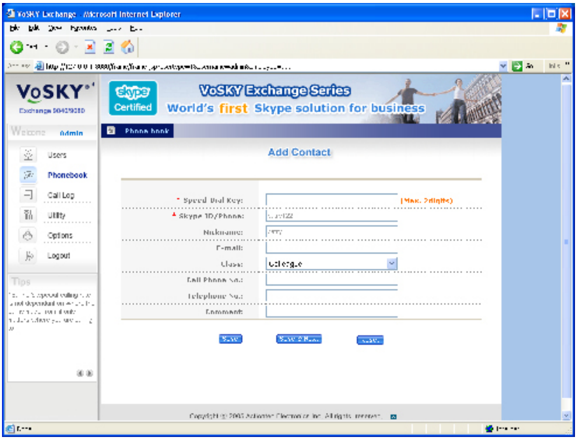
Phone book
Users
Phonebook
Call Log
Utility
Options
Logout
Public Contacts
Key
SkypeID/Phone
Cell Phone
Nickname
E-mail
Class

As an administrator, you can add a public contact. Input the required information, such as Speed-Dial Key and Skype ID/Phone (SkypeOut number). The maximum number of digits for the public speed dial key will be noted at the right end of the line. The other information is optional. Click **Save** to save the settings, or click **Save&Next** to save the current entry and add a new public contact.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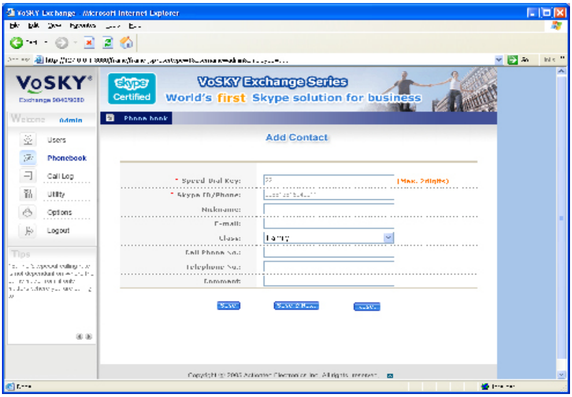
Phone book
Users
Phonebook
Call Log
Utility
Options
Logout
Add Contact
* Speed Dial Key:
(Max. 2digits)
* Skype ID/Phone:
Nickname:
E-mail:
Class:
Cell Phone No.:
Telephone No.:
Comment:

Note: If you want to add a regular phone number, please input the number into Skype ID/Phone field in the following SkypeOut format: **00 + country code + area code + local phone number** or **00 + country code + mobile phone number**.


VoSKY
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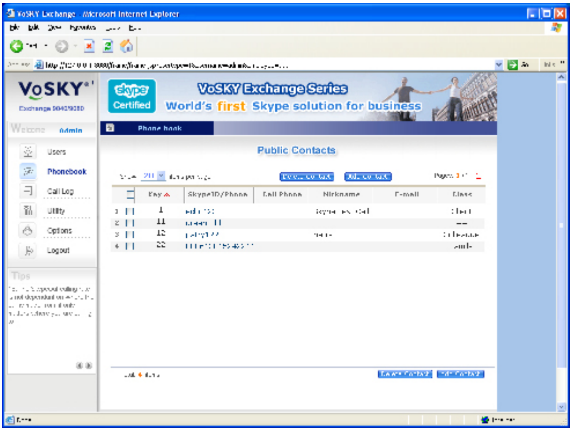
Phone book
Users
Phonebook
Call Log
Utility
Options
Logout
Tips

Add Contact

* Speed Dial Key:
(Max. 2digits)
* Skype ID/Phone:
Nickname:
E-mail:
Class:
Cell Phone No.:
Telephone No.:
Comment:

15.6 Viewing & Modifying Public Contacts

Click **Phonebook** to view all public contacts.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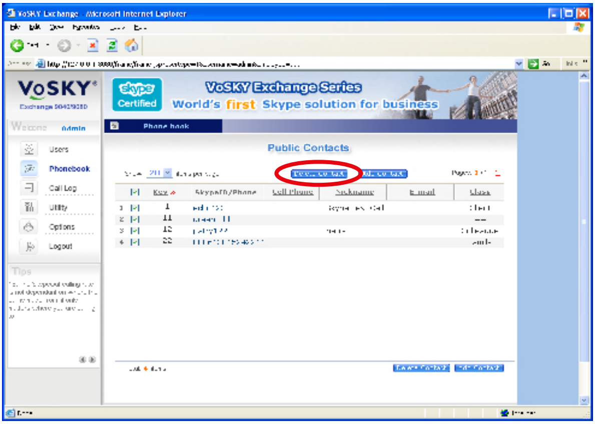
Phone book
Users
Phonebook
Call Log
Utility
Options
Logout
Tips

Public Contacts

		Key	SkypeID/Phone	Cell Phone	Nickname	E-mail	Class
1	☐	1	[illegible]		[illegible]		[illegible]
2	☐	11	[illegible]				[illegible]
3	☐	12	[illegible]		[illegible]		[illegible]
4	☐	22	[illegible]				[illegible]

Select the checkbox next to the Skype contact you want to delete, click the **Delete Contact** button to delete the contact.


VoSKY
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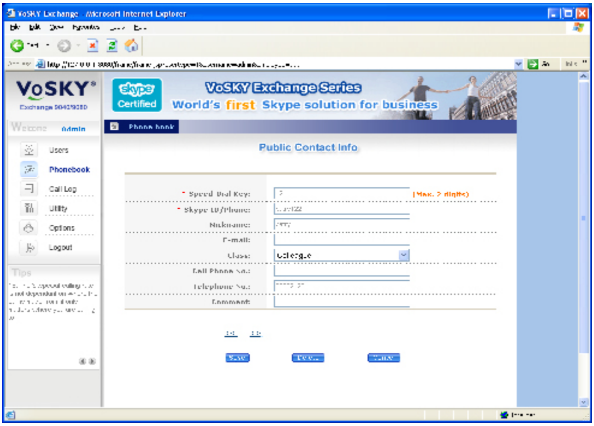
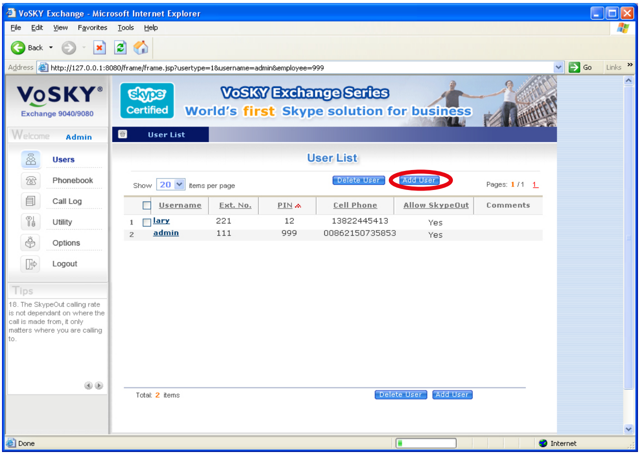
Phone book
Public Contacts
Users
Phonebook
Call Log
Utility
Options
Logout
Tips

Click the Skype ID/Phone for which you want to view more details. If you want to modify the information, click the **Modify** button. With the exception of the Skype ID/Phone, other information can be changed. When you are done with the changes, click **Save** to save the modification.


VoSKY
VoSKY Exchange Series
World's first Skype solution for business
skype Certified
Phone book
Public Contact Info
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
* Speed Dial Key:
* Skype ID/Phone:
Nickname:
E-mail:
Class:
Cell Phone No.:
Telephone No.:
Comment:

15.7 Adding Users

Click **Users** in the left panel, then click the **Add User** button (as shown below) to add a user.

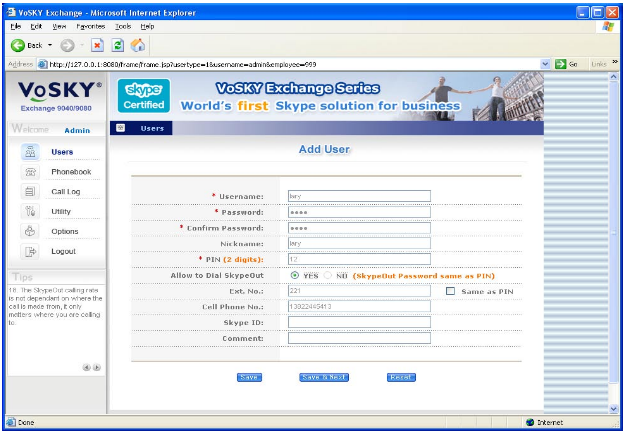

VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
Go Links
VoSKY Exchange 9040/9080
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Welcome Admin
User List
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
Show 20 items per page
Delete User
Add User
Pages: 1 /1 1
Total: 2 items
Done
Internet

User List

	☐ Username	Ext. No.	PIN	Cell Phone	Allow SkypeOut	Comments
1	☐ lary	221	12	13822445413	Yes	
2	admin	111	999	00862150735853	Yes	

18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

You must be logged in as an administrator to add a user account to Exchange system. The required fields are username, password, and PIN. You can select whether to allow a user SkypeOut dialing privileges. If the user is allowed to dial a SkypeOut call, the default SkypeOut password is the same as the PIN. User can use their User names to log in to manage their own phonebook. Each user is assigned a unique PIN to ensure a better usage of Exchange. Other fields are optional. When you are finished, click **Save** to save the configuration, click **Save&Next** to save the current entry and continue to add a new user.


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Go
Links
VoSKY Exchange 9040/9080
skype Certified
VoSKY Exchange Series
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Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
Add User
Save
Save & Next
Reset
Done
Internet

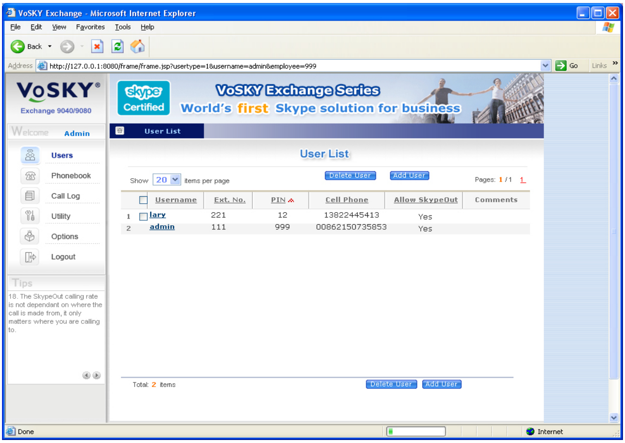
Address: http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999

18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

* Username:	lary
* Password:	••••
* Confirm Password:	••••
Nickname:	lary
* PIN (2 digits):	12
Allow to Dial SkypeOut	● YES ○ NO (SkypeOut Password same as PIN)
Ext. No.:	221 ☐ Same as PIN
Cell Phone No.:	13822445413
Skype ID:	
Comment:	

15.8 Viewing User List & Modifying User Information

Click **Users** in the left panel to view the list of all users.


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Go
Links
VoSKY Exchange 9040/9080
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
User List
Delete User
Add User
Done
Internet

Address: http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999

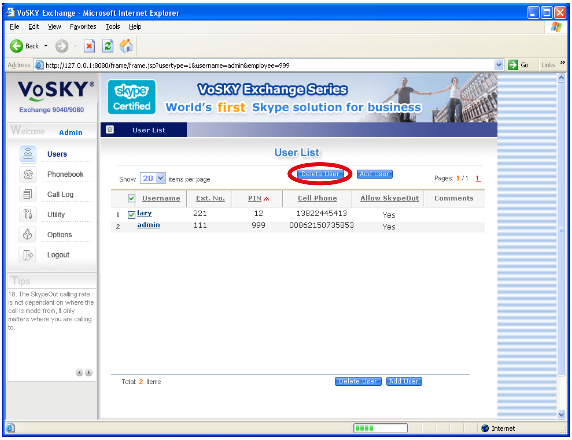
18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

Show 20 items per page   Pages: 1 /1 1

	☐ Username	Ext. No.	PIN	Cell Phone	Allow SkypeOut	Comments
1	☐ lary	221	12	13822445413	Yes	
2	admin	111	999	00862150735853	Yes	

Total: 2 items

You can sort the list by clicking the link for Username, Ext.No., PIN, Cell Phone and Allow SkypeOut. You can select one checkbox or select all (except the admin; refer to the following figure). Click the **Delete User** button to delete selected user(s).


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
Go Links
VoSKY® Exchange 9040/9080
skype Certified
VoSKY Exchange Series
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Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
User List
Internet

18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

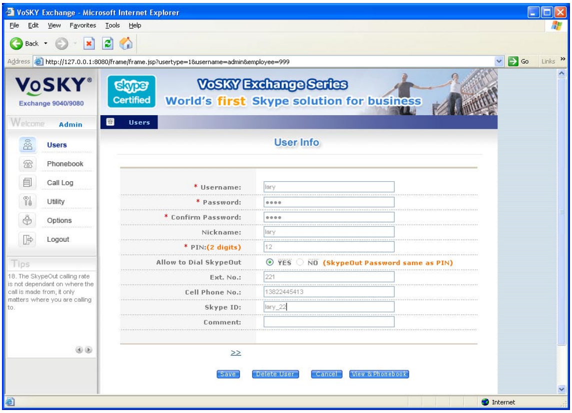
User List

Show 20 items per page Delete User Add User Pages: 1 / 1 1

	☑	Username	Ext. No.	PIN	Cell Phone	Allow SkypeOut	Comments
1	☑	lary	221	12	13822445413	Yes	
2		admin	111	999	00862150735853	Yes	

Total: 2 items Delete User Add User

Click the username for which you want to view more details. If you want to modify the information, click the **Modify** button. With the exception of the **Username**, any other information can be modified. When the modification is completed, click **Save** to save the changes.


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
Go Links
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skype Certified
VoSKY Exchange Series
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Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
Users
>>
Save
Delete User
Cancel
View & Phonebook
Internet

18. The SkypeOut calling rate is not dependant on where the call is made from, it only matters where you are calling to.

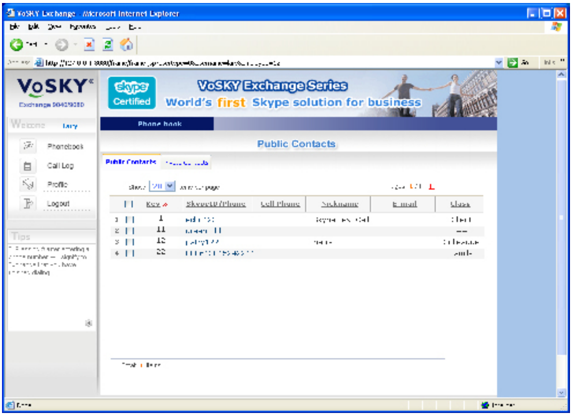
User Info

* Username: lary
* Password: ●●●●
* Confirm Password: ●●●●
Nickname: lary
* PIN:(2 digits) 12
Allow to Dial SkypeOut ● YES ○ NO (SkypeOut Password same as PIN)
Ext. No.: 221
Cell Phone No.: 13822445413
Skype ID: lary_22
Comment:

15.9 Logging In As Standard Users

When the administrator adds a user, the user can ask the administrator for his/her own username and password to log in to manage his/her own phonebook.

Click **Phonebook** to view the public contacts list. You can only view the information but cannot modify or delete entries.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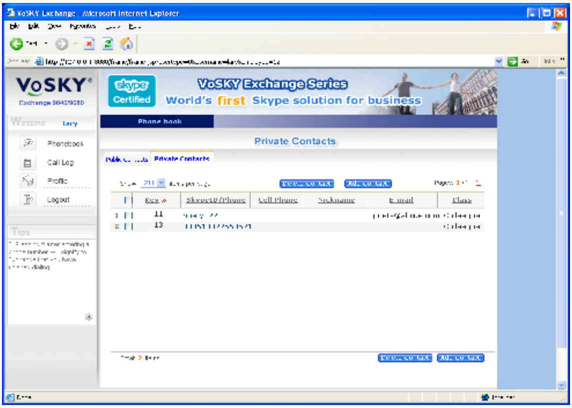
Public Contacts
Phonebook
Call Log
Profile
Logout
Tips

If you want to view your private contacts list, please click the **Private Contacts** link.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VoSKY
skype Certified
VoSKY Exchange Series
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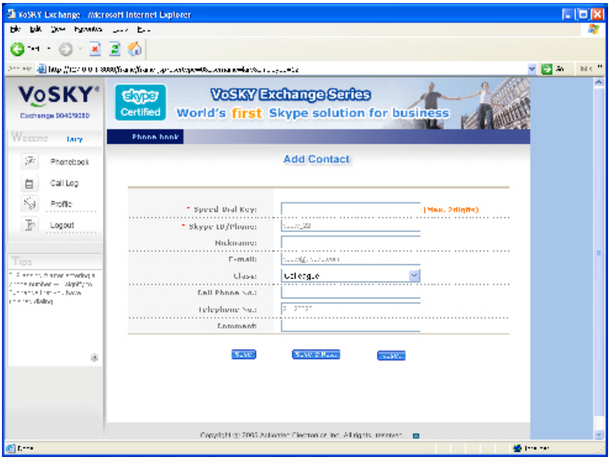
Phone book
Private Contacts
Private Contacts
Phonebook
Call Log
Profile
Logout
Tips

Click **Add Contact** to add your private contacts. Input the required information, such as the Speed-Dial Key and the Skype ID/Phone (SkypeOut number). The maximum number of digits for the private speed dial key is shown at the right end of the line. The other information is optional. Click **Save** to save the settings, or click **Save& Next** to save the current entry and add a new private contact.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skype Certified
VoSKY Exchange Series
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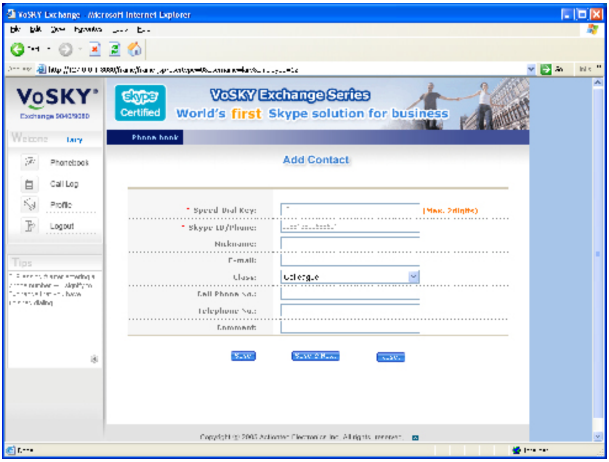
Phone book
Phonebook
Call Log
Profile
Logout
Tips
Save
Save & Next
Cancel

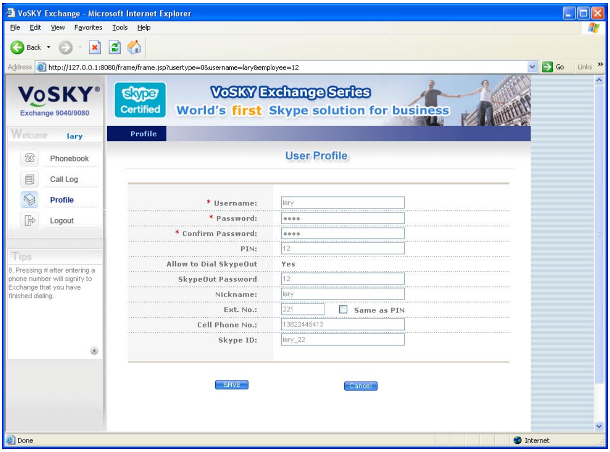
Add Contact

* Speed Dial Key: (Max. 2digits)
* Skype ID/Phone:
Nickname:
E-mail:
Class:
Cell Phone No.:
Telephone No.:
Comment:

Note: If you want to add a regular phone number, please input the number into Skype ID/Phone field in the following SkypeOut format: **00 + country code + area code + local phone number** or **00 + country code + mobile phone number**.


VoSKY Exchange - Microsoft Internet Explorer
VoSKY
Exchange 9040/9080
Welcome lary
Phonebook
Call Log
Profile
Logout
Tips
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Phone book
Add Contact
* Speed Dial Key:
(Max. 2digits)
* Skype ID/Phone:
Nickname:
E-mail:
Class:
Cell Phone No.:
Telephone No.:
Comment:
Save
Save & New
Cancel

Click **Profile** on the left panel. The user can modify his/her profile with the exception of the username and the PIN. The default SkypeOut password is the same as the PIN. After you are done with the changes, click **Save**.


VoSKY Exchange - Microsoft Internet Explorer
File
Edit
View
Favorites
Tools
Help
Back
Address
Go
Links
VoSKY
Exchange 9040/9080
Welcome lary
Phonebook
Call Log
Profile
Logout
Tips
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Profile
User Profile
SAVE
Cancel
Done
Internet

http://127.0.0.1:8080/frame/frame.jsp?usertype=0&username=lary&employee=12

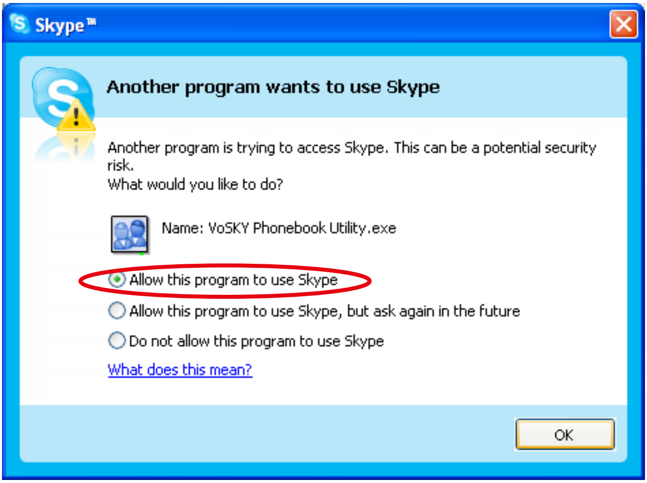
8. Pressing # after entering a phone number will signify to Exchange that you have finished dialing.

* Username:	lary
* Password:	••••
* Confirm Password:	••••
PIN:	12
Allow to Dial SkypeOut	Yes
SkypeOut Password	12
Nickname:	lary
Ext. No.:	221 ☐ Same as PIN
Cell Phone No.:	13822445413
Skype ID:	lary_22

15.10 Using Phonebook Utility

The Phonebook Utility can be used to enter batches of Skype contacts to Exchange database. This utility is in the Installation CD. Prior to using the Phonebook Utility, you should ask the administrator for your PIN and password.

On initial use, the window **Another program wants to use Skype** will appear. Click the first circle to allow this program to use Skype. Then click **OK** to save the settings.



Another program wants to use Skype

Another program is trying to access Skype. This can be a potential security risk.
What would you like to do?

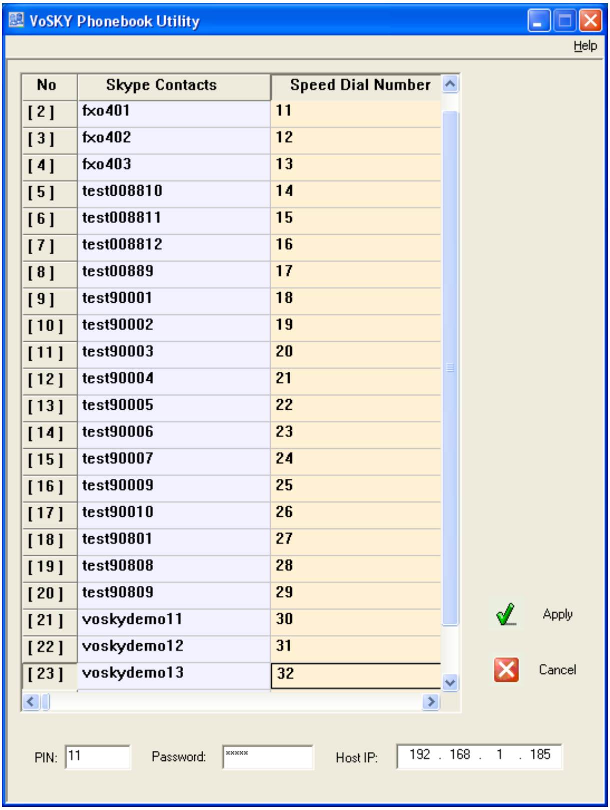
Name: VoSKY Phonebook Utility.exe

● Allow this program to use Skype

○ Allow this program to use Skype, but ask again in the future

○ Do not allow this program to use Skype

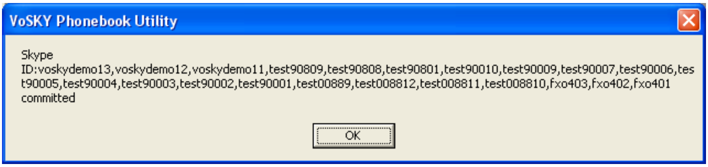
Your **Skype contacts** will show up in the column Skype Contacts. If you want to add a speed dial key for a contact, you need to input the speed dial key in the column **Speed Dial Number** on the right side. At the bottom, please enter your PIN, password and Host IP. Finally, click the **Apply** button, and the Phonebook Utility will export your speed dial keys into Exchange database.



No	Skype Contacts	Speed Dial Number
[2]	fxo401	11
[3]	fxo402	12
[4]	fxo403	13
[5]	test008810	14
[6]	test008811	15
[7]	test008812	16
[8]	test00889	17
[9]	test90001	18
[10]	test90002	19
[11]	test90003	20
[12]	test90004	21
[13]	test90005	22
[14]	test90006	23
[15]	test90007	24
[16]	test90009	25
[17]	test90010	26
[18]	test90801	27
[19]	test90808	28
[20]	test90809	29
[21]	voskydemo11	30
[22]	voskydemo12	31
[23]	voskydemo13	32

PIN: 11
Password: *****
Host IP: 192 . 168 . 1 . 185

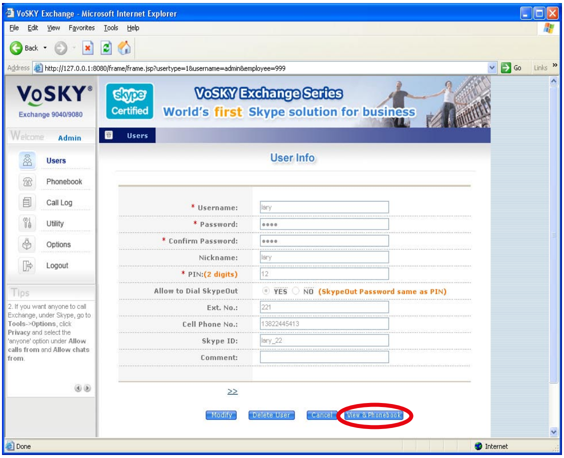
When finished, a message box will appear (as shown below). Click the **OK** button to close the message.



```
Skype
ID:voskydemo13,voskydemo12,voskydemo11,test90809,test90808,test90801,test90010,test90009,test90007,test90006,tes
t90005,test90004,test90003,test90002,test90001,test00889,test008812,test008811,test008810,fxo403,fxo402,fxo401
committed
```

15.11 Viewing User's Private Contacts

To view a particular user's information, click **View Phonebook** to view the user's private contacts.

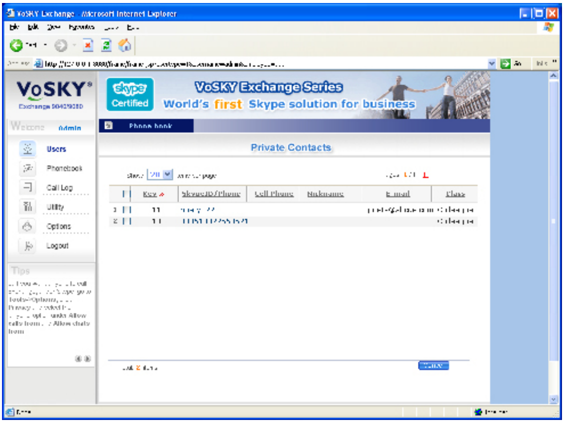


VoSKY Exchange - Microsoft Internet Explorer
File Edit View Favorites Tools Help
http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
VoSKY Exchange 9040/9080
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
VoSKY Exchange Series
World's first Skype solution for business
Users
User Info
>>
Modify
Delete User
Cancel
View & Phonebook
Done
Internet

Tips
2. If you want anyone to call Exchange, under Skype, go to Tools->Options, click Privacy and select the 'anyone' option under Allow calls from and Allow chats from.

* Username: lary
* Password: ••••
* Confirm Password: ••••
Nickname: lary
* PIN:(2 digits) 12
Allow to Dial SkypeOut ● YES ○ NO (SkypeOut Password same as PIN)
Ext. No.: 221
Cell Phone No.: 13822445413
Skype ID: lary_22
Comment:

As an administrator, you do not have rights to delete or modify the private speed dial keys.



VoSKY Exchange - Microsoft Internet Explorer
VoSKY Exchange Series
World's first Skype solution for business
Phone book
Private Contacts
Users
Phonebook
Call Log
Utility
Options
Logout
Tips

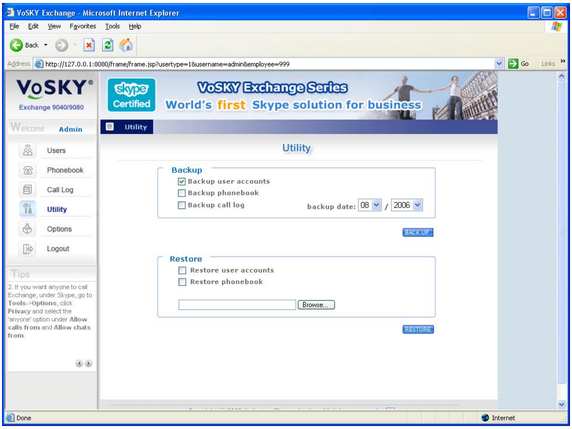
15.12 Backing up & Restoring

15.12.1 Backing up

As an administrator, you can backup and restore user accounts, phonebook, and call logs by choosing the **Utility** in the left panel. Select the type of application you want to backup, then click the **BACK UP** button and choose a destination to download the file.

It is strongly recommended you backup your Phonebook and User accounts before you modify the dialing scheme, in order to restore your entries later.

Note: User accounts and Phonebook are saved in Excel format (xls) while the Call Log is saved in Access format (mdb).



Address: http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999

Backup

☑ Backup user accounts

☐ Backup phonebook

☐ Backup call log

backup date: 08 / 2006

Restore

☐ Restore user accounts

☐ Restore phonebook

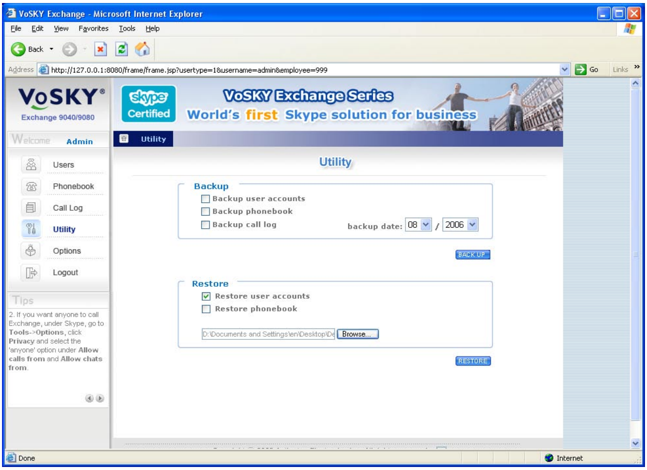
2. If you want anyone to call Exchange, under Skype, go to **Tools->Options**, click **Privacy** and select the 'anyone' option under **Allow calls from** and **Allow chats from**.

VoSKY Exchange - Microsoft Internet Explorer
File
Edit
View
Favorites
Tools
Help
Back
Go
Links
VoSKY
Exchange 9040/9080
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Welcome Admin
Utility
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
Utility
BACK UP
Browse...
RESTORE
Done
Internet

15.12.2 Restoring

The **Restore** option will restore your data to the existing database. Select the type of data you want to restore and click **Browse** to choose the location of the backup file to load, then click **RESTORE**. The data is restored to the database.

Note: If the Dialing Scheme has been modified, please make sure the format of the speed dial keys in the phonebooks and the PIN values for each account match that of your new Dialing Scheme or the restoration will fail.


VoSKY Exchange - Microsoft Internet Explorer
File
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Favorites
Tools
Help
Back
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Links
VoSKY
Exchange 9040/9080
skype Certified
VoSKY Exchange Series
World's first Skype solution for business
Welcome Admin
Utility
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
BACK UP
Browse...
RESTORE
Done
Internet

Address: http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999

Utility

Backup
☐ Backup user accounts
☐ Backup phonebook
☐ Backup call log
backup date: 08 / 2006

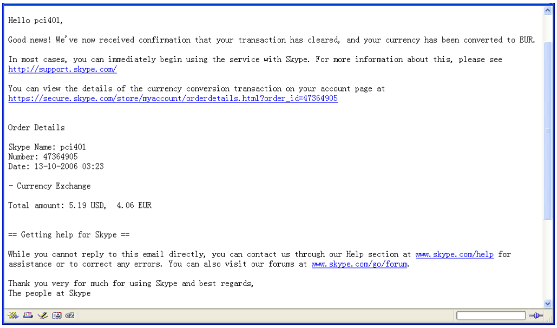
Restore
☑ Restore user accounts
☐ Restore phonebook
D:\Documents and Settings\en\Desktop\De

2. If you want anyone to call Exchange, under Skype, go to **Tools->Options**, click **Privacy** and select the 'anyone' option under **Allow calls from** and **Allow chats from**.

15.13 Viewing Call Log

To view a user's call log, please click **Call Log**. Exchange Call Log captures all call details: calling time, caller, destination, call type, call duration, rate per minute and total price. The SkypeOut calling rate is not dependant on from where the call is made, only to where it is made. For your convenience, to check on rates, the calling rates are obtained from Skype. However, keep in mind the following:

1. The SkypeOut rates and charges are in the same currency setting as when SkypeOut credits are purchased. If you change the currency setting, the rates and charges for the future calls will be changed to the new currency setting, but those before adjustment on the call log will show the previous currency setting. (You may incur a fee when modifying your Skype Credit currency unit. Skype will send a notification email as show below.)



Hello pci401,

Good news! We’ve now received confirmation that your transaction has cleared, and your currency has been converted to EUR.

In most cases, you can immediately begin using the service with Skype. For more information about this, please see http://support.skype.com/

You can view the details of the currency conversion transaction on your account page at https://secure.skype.com/store/myaccount/orderdetails.html?order_id=47364905

Order Details

Skype Name: pci401
Number: 47364905
Date: 13-10-2006 03:23

- Currency Exchange

Total amount: 5.19 USD, 4.06 EUR

== Getting help for Skype ==

While you cannot reply to this email directly, you can contact us through our Help section at www.skype.com/help for assistance or to correct any errors. You can also visit our forums at www.skype.com/go/forum.

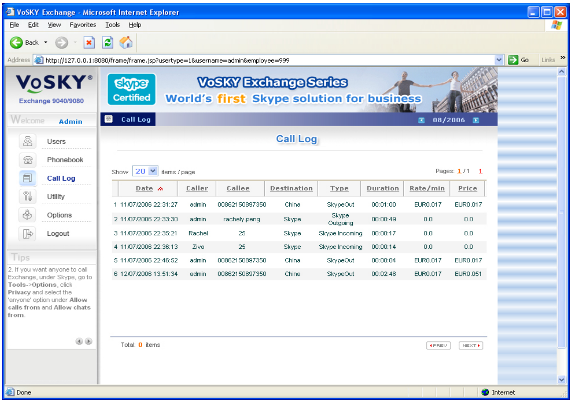
Thank you very for much for using Skype and best regards,
The people at Skype

2. Each SkypeOut credit is one minute.

3. The call duration of Exchange Call Log is generated from the Skype client unit.

4. The SkypeOut duration record from the client unit might be 3-5 seconds different from the Skype server. There might be one-minute charge difference. Use the charge from the Skype server for the final charges.

Note: When using Skype 2.5 or above can Exchange detect SkypeOut calling rates.


VoSKY Exchange - Microsoft Internet Explorer
File
Edit
View
Favorites
Tools
Help
Back
Address
http://127.0.0.1:8080/frame/frame.jsp?usertype=1&username=admin&employee=999
Go
Links
VoSKY
Exchange 9040/9080
skype Certified
VoSKY Exchange Series
World’s first Skype solution for business
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
08/2006
Show 20 items / page
Pages: 1 / 1 1
PREV
NEXT
Done
Internet

2. If you want anyone to call Exchange, under Skype, go to **Tools->Options**, click **Privacy** and select the 'anyone' option under **Allow calls from** and **Allow chats from**.

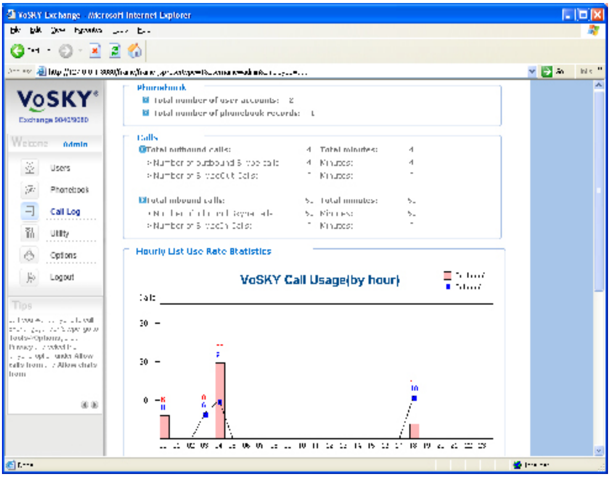
Call Log

	Date	Caller	Callee	Destination	Type	Duration	Rate/min	Price
1	11/07/2006 22:31:27	admin	00862150897350	China	SkypeOut	00:01:00	EUR0.017	EUR0.017
2	11/07/2006 22:33:30	admin	rachely.peng	Skype	Skype Outgoing	00:00:49	0.0	0.0
3	11/07/2006 22:35:21	Rachel	25	Skype	Skype Incoming	00:00:17	0.0	0.0
4	11/07/2006 22:36:13	Ziva	25	Skype	Skype Incoming	00:00:14	0.0	0.0
5	11/07/2006 22:46:52	admin	00862150897350	China	SkypeOut	00:00:04	EUR0.017	EUR0.017
6	12/07/2006 13:51:34	admin	00862150897350	China	SkypeOut	00:02:48	EUR0.017	EUR0.051

Total: 0 items

15.14 Viewing Statistics

After you are done with the configuration procedure, Exchange's statistics screen will show you all the data in your phonebook, number of calls, and each line's usage rate. You can also click the ⌂ icon to view this information.


VoSKY Exchange - Microsoft Internet Explorer
VoSKY
Exchange 9040/9080
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
Logout
Tips
Phonebook
Calls
Hourly List Use Rate Statistics
VoSKY Call Usage(by hour)
30
20
0

Total number of user accounts: 2

Total outbound calls: 4 Total minutes: 4

Using Exchange 9040/9080 16

Before employees can use their office phones with Exchange 9040/9080, make sure that, as an Exchange 9040/9080 administrator, you have already done the following:

- Installed Skype
- Installed Exchange 9040/9080 software
- Connected the hardware
- Configured the PBX and the hunting group number is set up
- Activated your company's Skype accounts
- Added Skype contacts to Exchange 9040/9080
- Optional: To allow users to make SkypeOut calls, you must purchase SkypeOut credit for all of your company's Skype accounts. Visit www.skype.com for more information about SkypeOut.

16.1 Making Skype Calls

1. On your office phone, dial the hunting group number. If you don't know this number, ask your Exchange 9040/9080 administrator for this information.

2. You will hear a dial tone or greeting message.

3. Dial the speed dial keys in Public Contacts (assigned by the administrator) by dialing the **public speed dial key + "#"**. For the speed dial keys in Private Contacts (added by each user), please dial: **PIN + key + "#"**.

Example:

a. Your PIN is assigned "12",the speed dial key in your Private Contacts is "12", hunting group number is "9". Pick up your handset, dial "**9, 12+12#**".

b. The speed dial key in Public Contacts is "23", hunting group number is "9". Pick up your handset, dial "**9, 23#**".

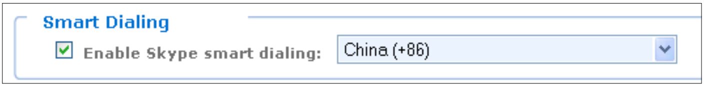
Note: a “,” means pause briefly.

16.2 Making SkypeOut Calls

Before making a SkypeOut call, make sure your Exchange 9040/9080 administrator has purchased SkypeOut credit for all of your company’s Skype accounts.

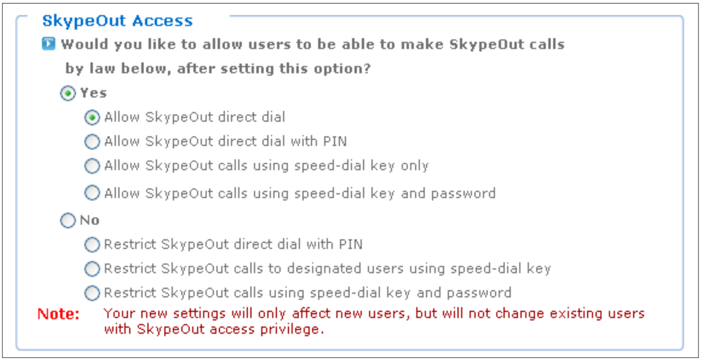
16.2.1 Smart Dialing

The Exchange 9040/9080 is equipped with a Smart Dialing feature for SkypeOut calls. Prior to using this feature, make sure Smart Dialing is enabled and you have selected a default country/region. Moreover, make sure to check the options **Allow SkypeOut direct dial**, **Allow SkypeOut direct dial with PIN** under **Yes** and the option **Allow SkypeOut direct dial with PIN** under **No** allow users to dial SkypeOut by dialing a SkypeOut number.



Smart Dialing

☑ Enable Skype smart dialing: China (+86)



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

● Yes
  - ● Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password

○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

You are now ready to use Smart Dialing for SkypeOut calls. When you want to dial the designated country, dial the following: **0 + area code + phone number** or **0 + cell phone number** (0 represents the country code on Exchange).

For all other international SkypeOut calls, dial the following: **00 + country code + area code + phone number** or **00 + country code + cell phone number**.

Note:

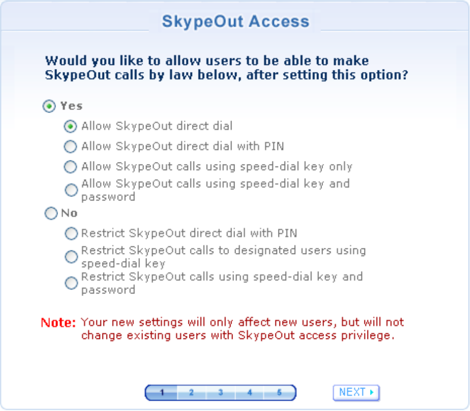
1. The Smart Dialing feature on Skype doesn't restrict the same feature on Exchange. When the default country on Exchange is different than that of Skype, the setting on Exchange will take precedence.
2. If the Smart Dialing feature is not enabled on Exchange, the same feature on Skype2.5 will not work.

Example:

1. You use Exchange Smart Dialing to call China (default country set as China), the area code is "21", phone number is "2236889", and the hunting group number is "9", then you would dial: **9, 0 + 21 + 22368899**.
2. Your Exchange Smart Dialing default country is set as USA, you want to call China with SkypeOut number (China country code is "86"), area code is "21", phone number is 22368899", and the hunting group number is "9", then you would dial: **9, 00 + 86 + 21 + 22368899**.

If you Enable Smart Dialing and select the country/region as China, refer to the examples below when choosing your preferred SkypeOut Access policy:

a. Allow SkypeOut direct dial:



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

● Yes
  - ● Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password

○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

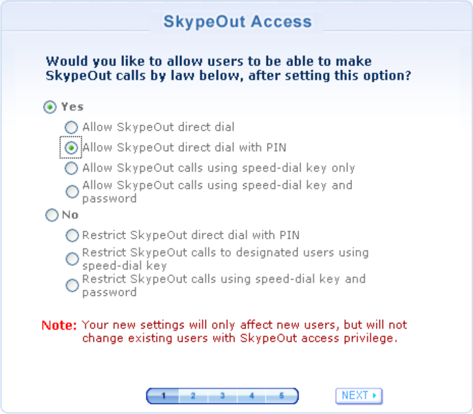
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

i. You want to call Shanghai, China (area code **21**) to the phone number **50892222**

ii. The hunting group number is **9**

iii. Pick up your handset and dial “**9, 02150892222#**”

b. Allow SkypeOut direct dial with PIN:



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

● Yes
  - ○ Allow SkypeOut direct dial
  - ● Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password

○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

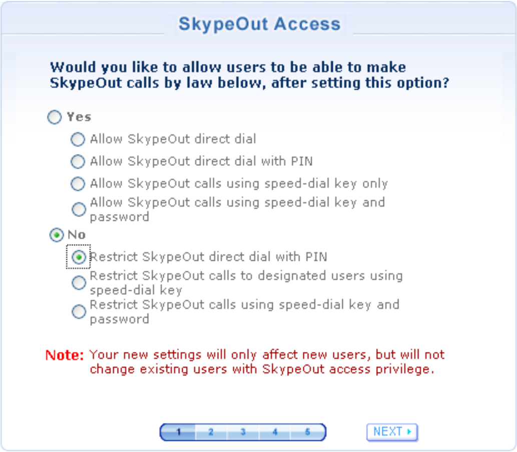
i. You want to call Shanghai, China (area code **21**) to the phone number **50892222**

ii. You are assigned PIN 12 and you are allowed to dial SkypeOut

iii. The hunting group number is **9**

iv. Pick up your handset and dial "**9, 12- 02150892222#**"

c. Restrict SkypeOut direct dial with PIN:



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

○ Yes
  ○ Allow SkypeOut direct dial
  ○ Allow SkypeOut direct dial with PIN
  ○ Allow SkypeOut calls using speed-dial key only
  ○ Allow SkypeOut calls using speed-dial key and password
● No
  ● Restrict SkypeOut direct dial with PIN
  ○ Restrict SkypeOut calls to designated users using speed-dial key
  ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

i. You want to call Shanghai, China (area code **21**) to the phone number **50892222**

ii. You are assigned PIN 12 and you are allowed to dial SkypeOut

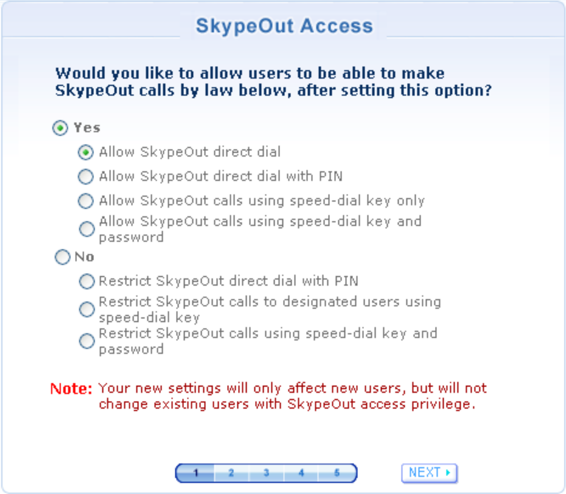
iii. The hunting group number is **9**

iv. Pick up your handset and dial "**9, 12- 02150892222#**"

16.2.2 Regular Dialing

If you disable Smart Dialing, refer to the examples below when choosing your preferred SkypeOut Access policy:

a. Allow SkypeOut direct dial:



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

● Yes
  ● Allow SkypeOut direct dial
  ○ Allow SkypeOut direct dial with PIN
  ○ Allow SkypeOut calls using speed-dial key only
  ○ Allow SkypeOut calls using speed-dial key and password
○ No
  ○ Restrict SkypeOut direct dial with PIN
  ○ Restrict SkypeOut calls to designated users using speed-dial key
  ○ Restrict SkypeOut calls using speed-dial key and password

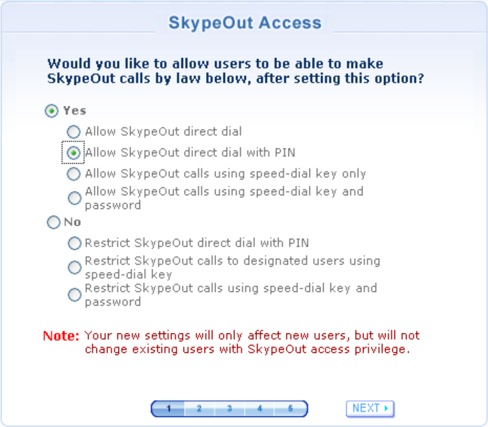
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

i. The speed dial key of SkypeOut number **00862122222222** in your Public Contacts list is **11**

ii. The hunting group number is **9**

iii. Pick up your handset and dial “**9, 00862122222222#**” or “9**, 11#**”

b. Allow SkypeOut direct dial with PIN



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

- ● Yes
  - ○ Allow SkypeOut direct dial
  - ● Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password
- ○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

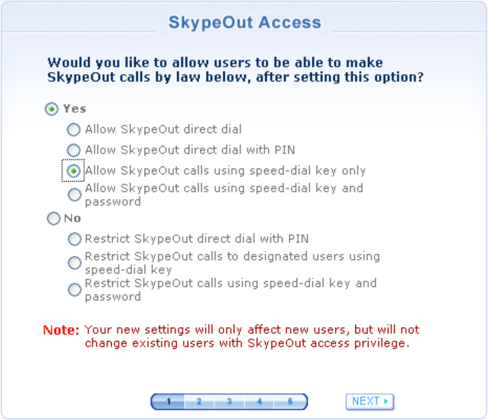
i. You are assigned PIN **12**

ii. The SkypeOut number is **0086212222222**

iii. The hunting group number is **9**

iv. Pick up your handset and dial “**9, 12-0086212222222#**”

c. Allow SkypeOut calls using speed-dial key only



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

- ● Yes
  - ○ Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ● Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password
- ○ No
  - ○ Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

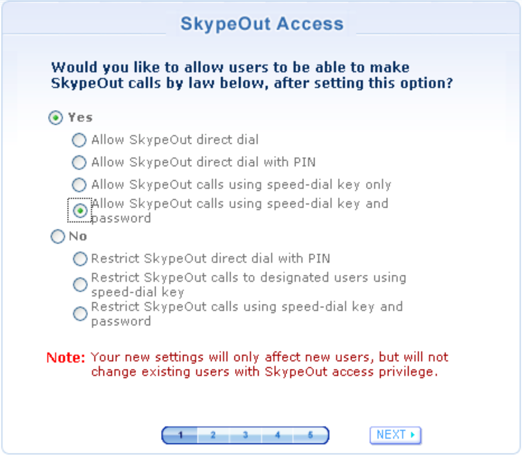
i. You are assigned PIN **12**

ii. The speed dial key of SkypeOut number **00862122222222** in your Private Contacts list is **45**

iii. The hunting group number is **9**

iv. Pick up your handset and dial "**9, 12 - 45#**"

d. Restrict SkypeOut calls using speed-dial key and password



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

● Yes
  ○ Allow SkypeOut direct dial
  ○ Allow SkypeOut direct dial with PIN
  ○ Allow SkypeOut calls using speed-dial key only
  ● Allow SkypeOut calls using speed-dial key and password
○ No
  ○ Restrict SkypeOut direct dial with PIN
  ○ Restrict SkypeOut calls to designated users using speed-dial key
  ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

i. You are assigned PIN **12**

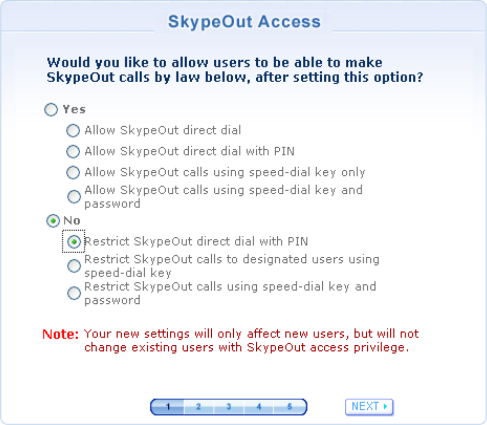
ii. Your SkypeOut password is **12**

iii. The speed dial number of **008621222222** in your Private Contacts list is **45**

iv. The hunting group number is **9**

v. Pick up your handset and dial "**9,12-45-*-12#**"

e. Restrict SkypeOut direct dial with PIN



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

○ Yes
  - ○ Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password

● No
  - ● Restrict SkypeOut direct dial with PIN
  - ○ Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

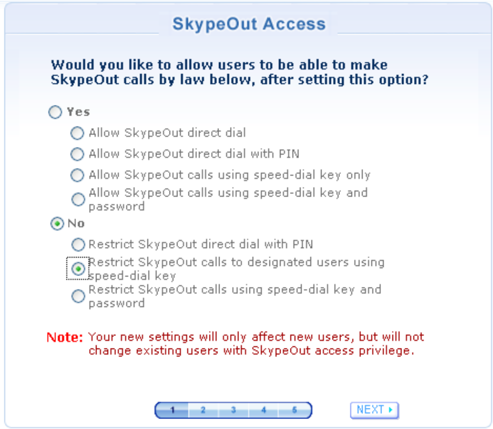
i. You are assigned PIN **12**

ii. The SkypeOut number is **008621222222**

iii. The hunting group number is **9**

iv. Pick up your handset and dial "**9, 00862122222222#**"

f. Restrict SkypeOut calls to designated users using speed-dial key



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

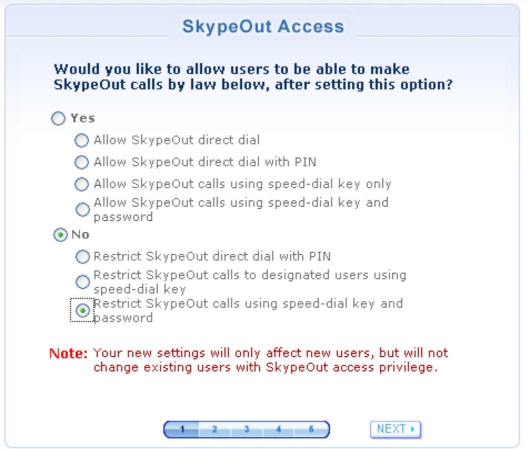
○ Yes
  - ○ Allow SkypeOut direct dial
  - ○ Allow SkypeOut direct dial with PIN
  - ○ Allow SkypeOut calls using speed-dial key only
  - ○ Allow SkypeOut calls using speed-dial key and password

● No
  - ○ Restrict SkypeOut direct dial with PIN
  - ● Restrict SkypeOut calls to designated users using speed-dial key
  - ○ Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

   i. You are assigned PIN **12**
   ii. The speed dial number of **008621222222** in your Private Contacts list is **45**
   iii. The hunting group number is **9**
   iv. Pick up your handset and dial "**9, 12 - 45#**"

g. Restrict SkypeOut calls using speed-dial key and password



SkypeOut Access

Would you like to allow users to be able to make SkypeOut calls by law below, after setting this option?

○ Yes
  ○ Allow SkypeOut direct dial
  ○ Allow SkypeOut direct dial with PIN
  ○ Allow SkypeOut calls using speed-dial key only
  ○ Allow SkypeOut calls using speed-dial key and password
● No
  ○ Restrict SkypeOut direct dial with PIN
  ○ Restrict SkypeOut calls to designated users using speed-dial key
  ● Restrict SkypeOut calls using speed-dial key and password

Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

   i. You are assigned PIN **12**
   ii. The speed dial number of **008621222222** in your Private Contacts list is **45**
   iii. Your SkypeOut password is **12**
   iv. The hunting group number is **9**
   v. Pick up your handset and dial "**9, 12 - 45- *- 12#**"

Note: SkypeOut numbers use the following format: **00+Country Code + Area Code + Local Phone Number**.

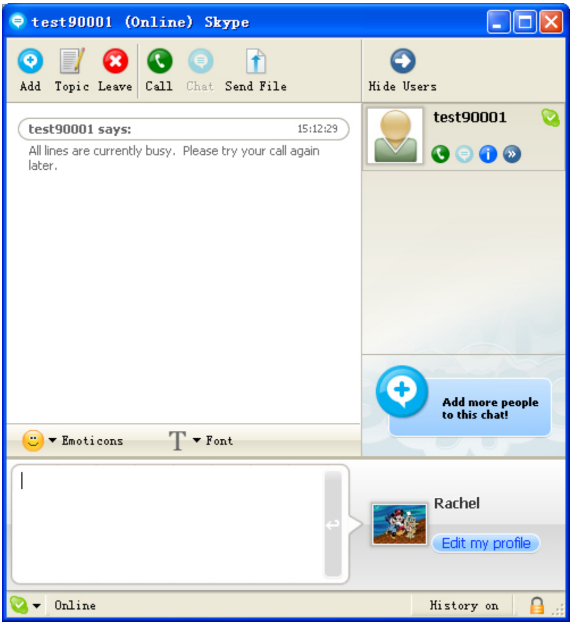
16.3 Answering Skype Calls

Incoming Skype calls to your office phone extension through Exchange 9040/9080 will ring the phone normally, just like any other type of call. Pick up the phone to answer the call and begin the conversation.

16.4 Allowing Skype Users to Call Exchange 9040/9080

Skype users can call Exchange 9040/9080 from Skype and then dial an office extension through Exchange 9040/9080. To do this, follow the steps below:

1. Inform the Skype User of your company’s Exchange 9040/9080 Company Skype ID. All of your company’s Skype IDs must be set to accept calls from any user. To change this setting, refer to section 11-*Adjusting the Skype Settings* in this user manual.
2. A Skype user calls the Company Skype ID. If the Skype ID called is busy, Exchange 9040/9080 looks for an available line, and calls the caller back from the available Skype ID. The caller must accept this call. If all lines are busy, the caller gets a busy message and Exchange 9040/9080 hangs up the call.


test90001 (Online) Skype
Add
Topic
Leave
Call
Chat
Send File
Hide Users
test90001
Add more people to this chat!
Emoticons
Font
Rachel
Edit my profile
Online
History on

test90001 says: 15:12:29

All lines are currently busy. Please try your call again later.

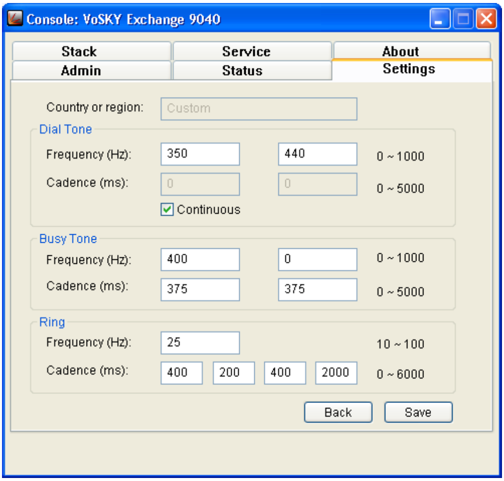
3. If the line is not busy, Exchange 9040/9080 will make a connection with the caller. After the voice prompt, the caller needs to input callee's extension number using the **Skype Dial Pad**.

16.5 Exchange 9040/9080 Settings

Advanced options are configured in the **Settings** tab of **Exchange 9040/9080 Console**. Open Exchange 9040/9080 Console by double-clicking Exchange 9040/9080 Console's desktop or system tray icon.

16.5.1 Changing Region Settings

The default Region Setting is based on your server operating system's geographic location. To change the Region Setting, just select a region from the drop-dwon list (refer to the Appendix C to view the available country/region list). There is also a "Custom" option where you can customize the frequency and cadence parameters for any PBX and regional specifications.



Country or region: Custom

Dial Tone
Frequency (Hz): 350 440 0 ~ 1000
Cadence (ms): 0 0 0 ~ 5000
☑ Continuous

Busy Tone
Frequency (Hz): 400 0 0 ~ 1000
Cadence (ms): 375 375 0 ~ 5000

Ring
Frequency (Hz): 25 10 ~ 100
Cadence (ms): 400 200 400 2000 0 ~ 6000

Note:

1. If the Line lock problem (the remote side does not release the line after hanging up) happens, you should consult with the local telecommunication company or the supplier of your PBX for the correct Busy Tone telecommunication parameters.
2. If the Exchange 9040/9080 cannot connect to the PBX on incoming Skype calls, such as when a remote Skype caller calls your Company Skype ID but cannot get the PBX's auto attendant greeting, then a possible cause is an incorrect Ring Tone parameter configuration. Please ask the local telecommunication company or the supplier of PBX for the correct Ring Tone telecommunication parameter.

16.5.2 Changing Voice Prompt Language

You can set Exchange 9040/9080 voice prompt to be in a language other than English. The current default option for voice prompt is "Generic Tone". You can also record your own voice prompts.

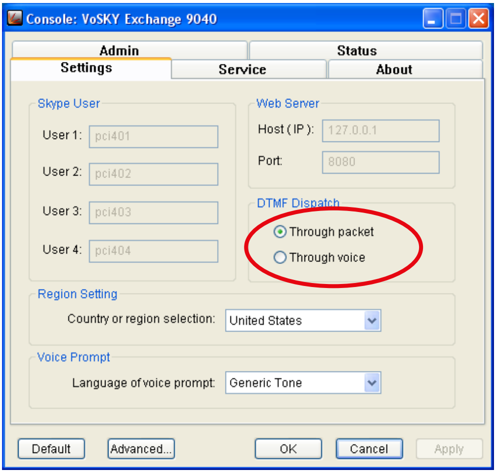
The default voice prompt is in "English", and the voice files saved in the "...VoSKY Exchange 9040/9080 \Exchange Server\Voice Prompt\English" folder are set to English. Before you change your voice files, we recommend you backup the default voice files so that you can restore them if needed.

Name your recorded voice prompt recordings using the same names as the default ones and replace the default files with the newly recorded ones.

Note: Please record your voice prompts using the same properties (bit rate, audio sample size, channels, and audio sample rate) as the default ones.

16.5.3 DTMF Settings

Exchange 9040/9080 provides two ways for users to handle DTMF: Through Packet and Through Voice. The default option is Through Packet. The Through Voice option is applied under special circumstances.



Skype User
User 1: pci401
User 2: pci402
User 3: pci403
User 4: pci404

Web Server
Host (IP): 127.0.0.1
Port: 8080

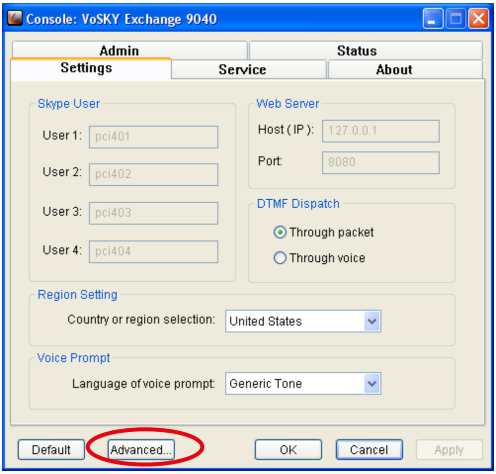
DTMF Dispatch
● Through packet
○ Through voice

Region Setting
Country or region selection: United States

Voice Prompt
Language of voice prompt: Generic Tone

16.5.4 Advanced Settings

Go to the **Setting** tab in Exchange 9040/9080 Console, and click the **Advanced** button.



Console: VoSKY Exchange 9040
Admin
Status
Settings
Service
About
Skype User
Web Server
DTMF Dispatch
Region Setting
Voice Prompt
Default
Advanced...
OK
Cancel
Apply

User 1: pci401

User 2: pci402

User 3: pci403

User 4: pci404

Host (IP): 127.0.0.1

Port: 8080

● Through packet

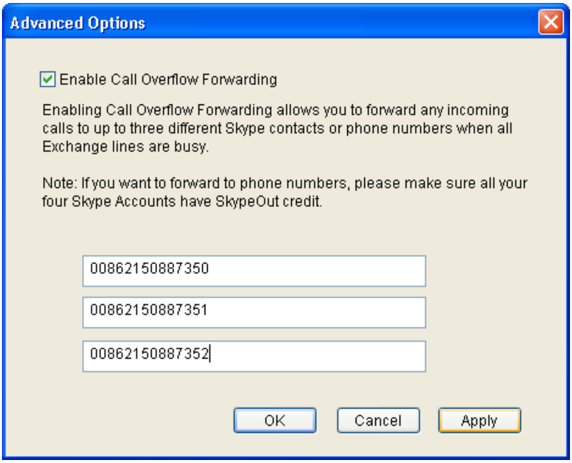
○ Through voice

Country or region selection: United States

Language of voice prompt: Generic Tone

Call Overflow Forwarding is a callback feature when all lines of Exchange 9040/9080 are in use and there are additional incoming Skype calls. To set Call Overflow Forwarding you need to set one or more Skype/SkypeOut contacts to be forwarded to. You may set up to three call transfer numbers at most. Exchange 9040/9080 will forward to these numbers simultaneously when all lines of Exchange 9040/9080 are busy and there is an incoming call.

Setting Call Overflow Forwarding: We suggest that you set the telephone number of your company as one of the Call Overflow Forwarding numbers, and only if all Skype accounts of Exchange 9040/9080 have enough SkypeOut credit. All incoming Skype calls, when all lines are busy, will still be forwarded to your PBX via SkypeOut.



☑ Enable Call Overflow Forwarding

Enabling Call Overflow Forwarding allows you to forward any incoming calls to up to three different Skype contacts or phone numbers when all Exchange lines are busy.

Note: If you want to forward to phone numbers, please make sure all your four Skype Accounts have SkypeOut credit.

00862150887350

00862150887351

00862150887352

Note: If you want to forward to phone numbers, make sure all Skype Accounts have SkypeOut credit.

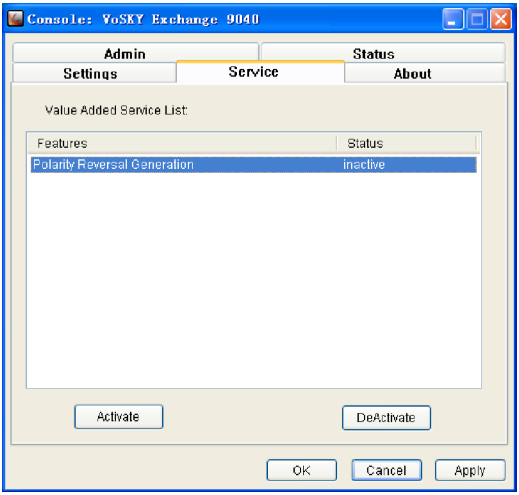
16.6 Service Settings

Exchange 9040/9080 provides additional services under the Service tab.

Our Exchange 9040/9080 provides a service called **Polarity Reversal Generation**. It is used to hang up the PBX quickly for those PBXs that support this function.

Note: Before you activate a service, make sure that you have launched at least one Port of Exchange 9040/9080.

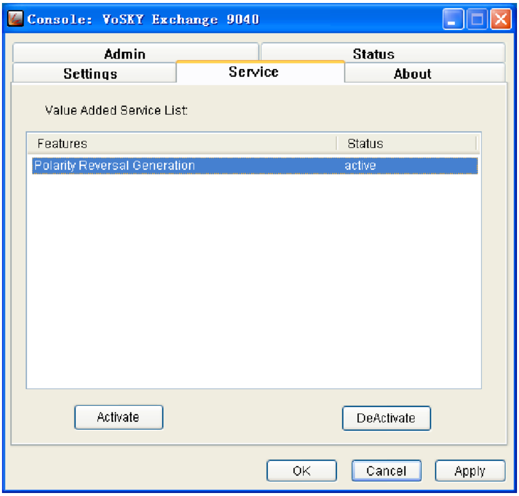
1. Select the service you'd like to activate, and then click the **Activate** button.


Console: VoSKY Exchange 9040
Admin
Status
Settings
Service
About
Activate
DeActivate
OK
Cancel
Apply

Value Added Service List:

Features	Status
Polarity Reversal Generation	inactive

2. The status of the feature you have activated is now active, and you can run the new feature.


Console: VoSKY Exchange 9040
Admin
Status
Settings
Service
About
Activate
DeActivate
OK
Cancel
Apply

Value Added Service List:

Features	Status
Polarity Reversal Generation	active

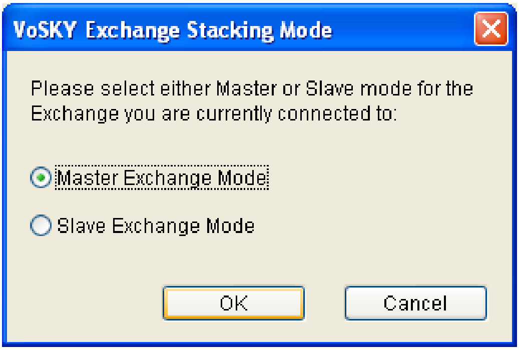
When you do not need to use a service feature, you can deactivate it. Select the service you would like to deactivate and then click **DeActivate**. The service will become inactive.

16.7 Stack Settings

Stack feature makes Exchange 9080 more flexible. You can put two Exchange 9080 units together into one to double the number of available Skype lines. The two Exchange 9080 units that you want to stack must be configured per the instructions outlined in this manual. After they are both configured, choose one Exchange 9080 as the Master and the other as the Slave. The stacked Exchange 9080s share a single database, namely the database of Master Exchange 9080. The database of the Slave Exchange 9080 will not be used.

16.7.1 Master Exchange 9080

1. Activate the Stacking service in the **Service** tab of the Master Exchange 9080 Console (refer to 16.6 section-*Service Setting*) and select the **Master Exchange Mode** as the stacking mode for the Master Exchange 9080.

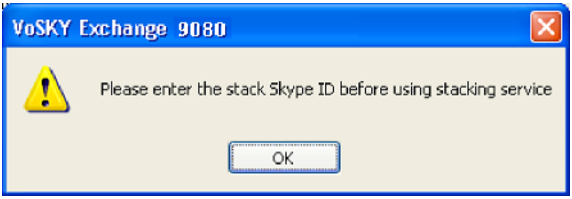


Please select either Master or Slave mode for the Exchange you are currently connected to:

● Master Exchange Mode

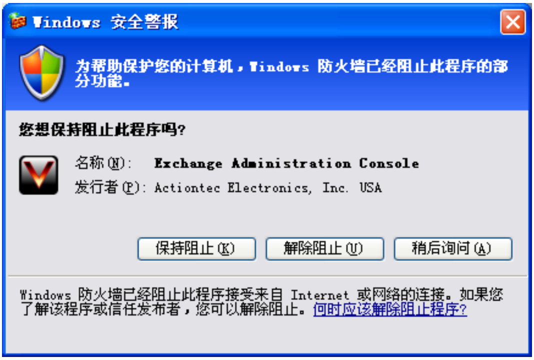
○ Slave Exchange Mode

2.A new tab **Stack** will be added in the Exchange 9080 Console. A pop-up warning message will appear to tell you to enter the company Skype ID of the Slave Exchange 9080 and then click **OK** to close it.



Please enter the stack Skype ID before using stacking service

Note: If you enable Windows Firewall, it will block this operation when Exchange tries to connect to Internet, and then pops up a warning asking whether you want to block the operation. Click the **Unblock** button to permit this Exchange operation.



为帮助保护您的计算机，Windows 防火墙已经阻止此程序的部分功能。

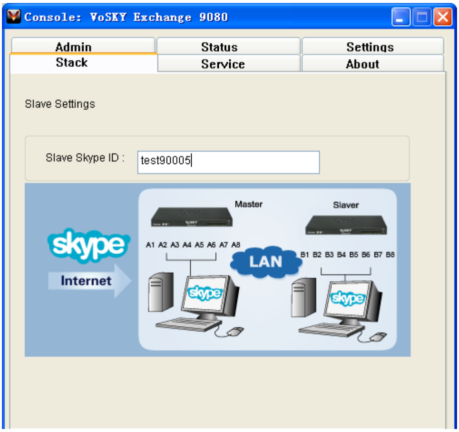
您想保持阻止此程序吗?

名称(N): Exchange Administration Console
发行者(P): Actiontec Electronics, Inc. USA

Windows 防火墙已经阻止此程序接受来自 Internet 或网络的连接。如果您了解该程序或信任发布者，您可以解除阻止。何时应该解除阻止程序?

3.Please enter the primary Skype ID of the Slave Exchange 9080 in the Stack Column of the Master Exchange 9080's Console and then click the OK or Apply button to save this setting. As the following picture shows, "test90005" is the Company Skype ID of Slave Exchange 9080.

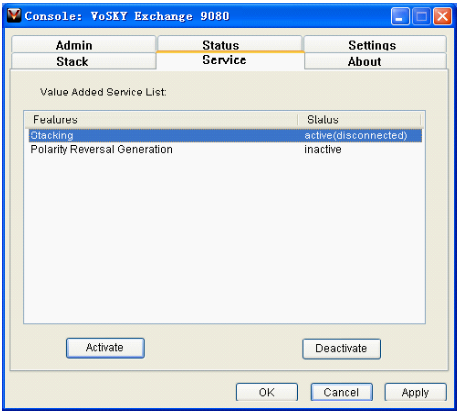
Note:After you activate the stacking function and set up the Master Exchange 9080 mode, please enter the correct primary Skype ID of the Slave Exchange 9080; otherwise the stacking function will not work.


Console: VoSKY Exchange 9080
Admin
Status
Settings
Stack
Service
About
Master
Slaver
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
LAN
skype
Internet

Slave Settings

Slave Skype ID : test90005

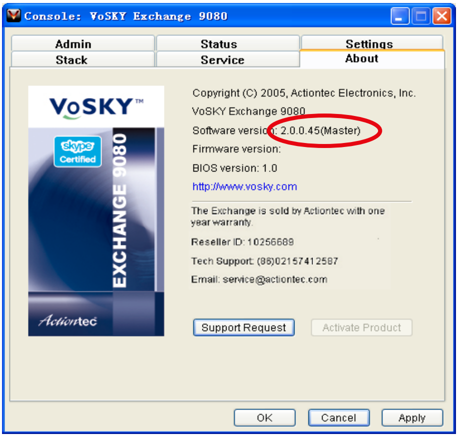
4.Click the **Service** tab of the Master Exchange 9080 Console to browse the connecting statuses of Master Exchange 9080 and Slave Exchange 9080. As the following picture shows, the Status will show"disconnected"since the Slave Exchange 9080 has not yet been set up.


Console: VoSKY Exchange 9080
Admin
Status
Settings
Stack
Service
About
Activate
Deactivate
OK
Cancel
Apply

Value Added Service List:

Features	Status
Stacking	active(disconnected)
Polarity Reversal Generation	inactive

5.You may click the **About** tab of the Master Exchange 9080 Console to check the current software version and stacking mode.


Console: VoSKY Exchange 9080
Admin
Status
Settings
Stack
Service
About
VoSKY™
skype Certified
EXCHANGE 9080
Actiontec
Support Request
Activate Product
OK
Cancel
Apply

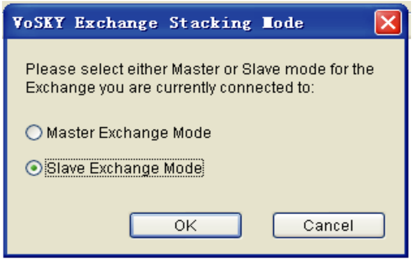
Copyright (C) 2005, Actiontec Electronics, Inc.
VoSKY Exchange 9080
Software version: 2.0.0.45(Master)
Firmware version:
BIOS version: 1.0
http://www.vosky.com

The Exchange is sold by Actiontec with one year warranty.
Reseller ID: 10256689
Tech Support: (86)02157412587
Email: service@actiontec.com

16.7.2 Slave Exchange 9080

Before configuring the Slave Exchange 9080, we suggest you complete all settings of the Master Exchange 9080 (refer to 16.7.1 section-*Master Exchange 9080*). After completing the Master Exchange 9080 configuration, please do the following steps:

1.Activate Stacking service, under the **Service** tab of the Slave Exchange 9080's Console (refer to 16.6-*Service Setting*), and select the **Slave Exchange Mode** for Slave Exchange 9080.

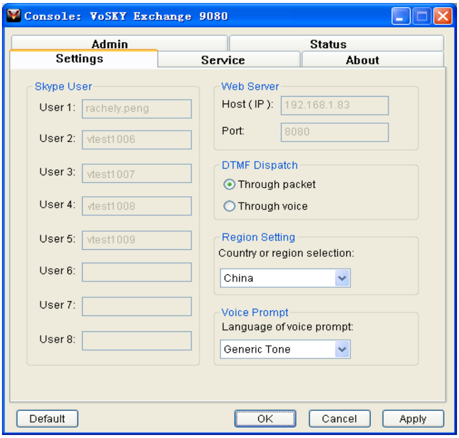

VoSKY Exchange Stacking Mode
OK
Cancel

Please select either Master or Slave mode for the Exchange you are currently connected to:

○ Master Exchange Mode
● Slave Exchange Mode

2.After the Slave Exchange 9080 is set to Slave mode, and the Company Skype ID of Slave Exchange 9080 is set in the Master Exchange 9080 Console, Slave Exchange 9080 will automatically check the IP address of Master Exchange 9080.

You can check it in Host(IP) field of the **Settings** tab of the Slave Exchange 9080's Console.


Console: VoSKY Exchange 9080
Admin
Status
Settings
Service
About
Skype User
Web Server
DTMF Dispatch
Region Setting
Voice Prompt
Default
OK
Cancel
Apply

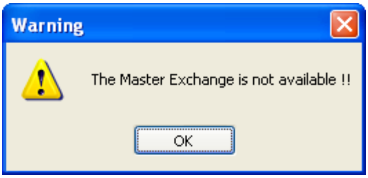
User 1: rachely.peng
User 2: vtest1006
User 3: vtest1007
User 4: vtest1008
User 5: vtest1009
User 6:
User 7:
User 8:
Host (IP): 192.168.1.83
Port: 8080
● Through packet
○ Through voice
Country or region selection: China
Language of voice prompt: Generic Tone

Note:If the below warning pops up, it is because the Slave Exchange 9080 cannot find the Master Exchange 9080 to communicate with it. Please check the following items:

1) An Exchange 9080 must be configured to be in Master Mode.

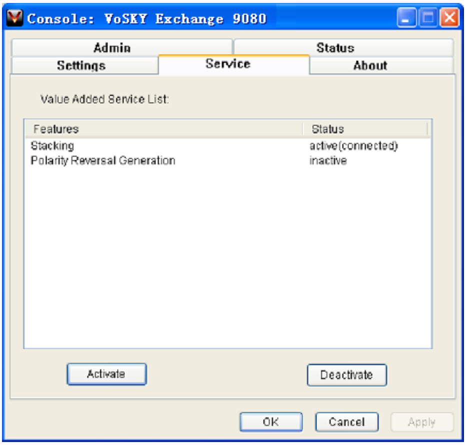
2) The primary Skype ID of the Slave Exchange 9080 must be set in the Master Exchange 9080 Stack settings.

3) The connection between Master Exchange 9080 and Slave Exchange 9080 is normal and can mutually communicate with each other.



The Master Exchange is not available !!

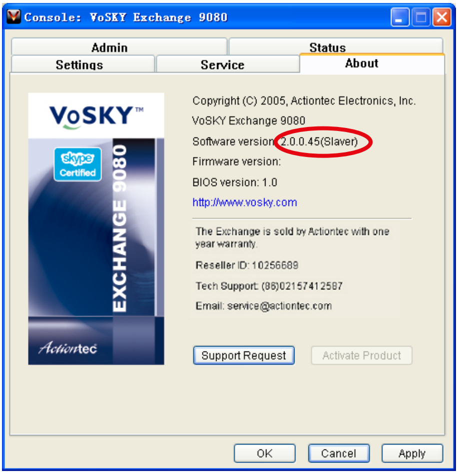
3.Click the **Service** tab of the Slave Exchange 9080 Console to browse the connecting statuses of Slave Exchange 9080 and Master Exchange 9080. As the following picture shows, a "connected"status will be displayed if the Slave Exchange 9080 and Master Exchange 9080 are connected and communicating properly.


Console: VoSKY Exchange 9080
Admin
Status
Settings
Service
About
Activate
Deactivate
OK
Cancel
Apply

Value Added Service List:

Features	Status
Stacking	active(connected)
Polarity Reversal Generation	inactive

4.You may click the **About** tab of the Slave Exchange 9080 Console to check the edition of software and stacking mode.


Console: VoSKY Exchange 9080
Admin
Status
Settings
Service
About
VoSKY™
skype Certified
EXCHANGE 9080
Actiontec
Support Request
Activate Product
OK
Cancel
Apply

Copyright (C) 2005, Actiontec Electronics, Inc.
VoSKY Exchange 9080
Software version: 2.0.0.45(Slaver)
Firmware version:
BIOS version: 1.0
http://www.vosky.com

The Exchange is sold by Actiontec with one year warranty.
Reseller ID: 10256689
Tech Support: (86)02157412587
Email: service@actiontec.com

Auto-Notification

17

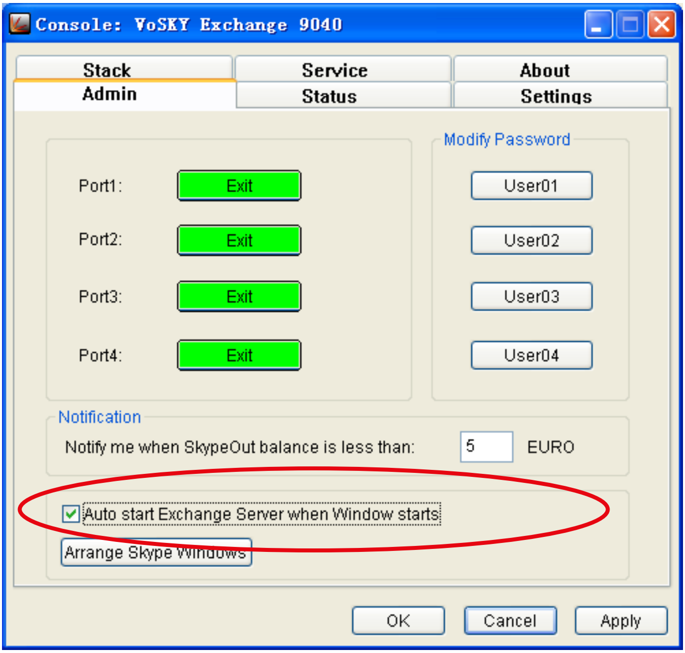
Exchange 9040/9080 provides an auto-notification mechanism to report urgent events. First, configure the Skype ID and Cell Phone Number where the server can reach you (refer to section 15.4-*Modifying Administrator's Information*). Then, make sure all Skype accounts have SkypeOut credit. Exchange 9040/9080 will notify you through the Skype IM and with a SkypeOut call when the following happens:

a. USB Unplug Detection: If any one of the USB cables is not properly plugged in, the corresponding Skype line sends an IM to your assigned Skype ID and gives a SkypeOut call to your assigned phone number.

b. Skype Status Detection: If any one of the Skype accounts is not running for more than 60 seconds, the Skype software will be relaunched automatically.

c. SkypeOut Credit Low Balance Notification: Exchange 9040/9080 provides preset SkypeOut Credit Low Balance notification. In Exchange 9040/9080 Console, you will get an automatic low balance notification when your SkypeOut balance is lower than your preset value (default value is set at 5). After the balance value is set, any Skype account whose SkypeOut balance drops below the preset value will send out an IM to your designated Skype ID (administrator's Skype ID). You will also hear a low balance message voice prompt when you dial out of Exchange 9040/9080 through that Skype account.

Note: Please use the same currency setting to manage SkypeOut accounts on Exchange. Exchange will automatically use the currency setting from the first SkypeOut account for its default setting.


Console: VoSKY Exchange 9040
Stack
Service
About
Admin
Status
Settings
Modify Password
User01
User02
User03
User04
Notification
Arrange Skype Windows
OK
Cancel
Apply

Port1: Exit

Port2: Exit

Port3: Exit

Port4: Exit

Notify me when SkypeOut balance is less than: 5 EURO

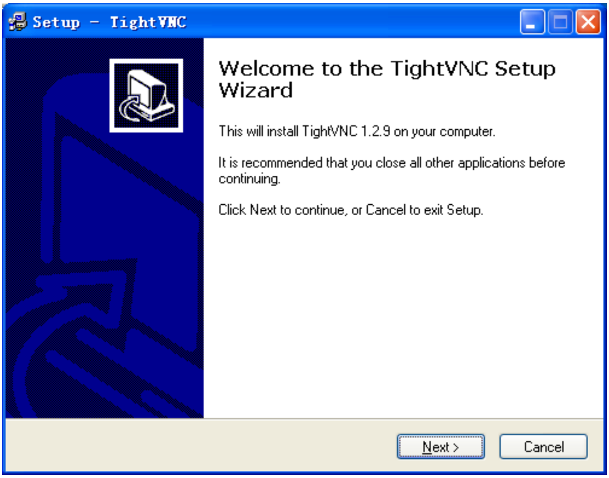
☑ Auto start Exchange Server when Window starts

Using TightVNC 18

18.1 TightVNC Installation

If you want to remotely control the computer where Exchange 9040/9080 server is installed, install TightVNC by performing the following procedure:

1. Click the **Install TightVNC** link from the CD splash screen to run the tightvnc-setup.exe installation program. Click **Next** to continue.



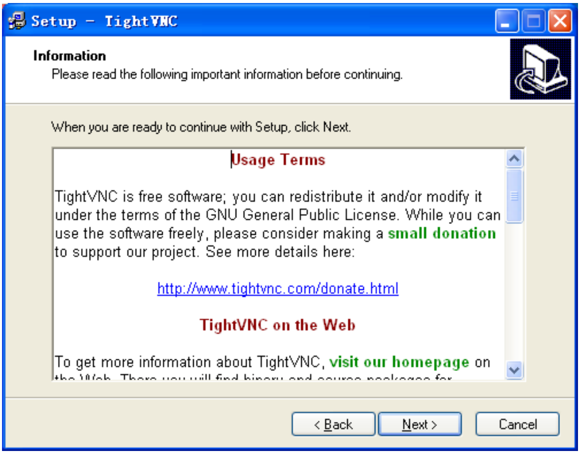
Welcome to the TightVNC Setup Wizard

This will install TightVNC 1.2.9 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

2. Read through the license agreement. Then click **Next** to continue.


Setup - TightVNC
< Back
Next >
Cancel

Information

Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

Usage Terms

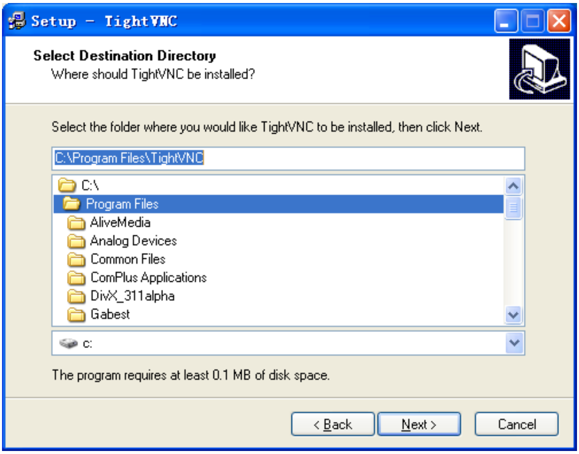
TightVNC is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License. While you can use the software freely, please consider making a small donation to support our project. See more details here:

http://www.tightvnc.com/donate.html

TightVNC on the Web

To get more information about TightVNC, visit our homepage on

3. Select a Destination directory and click **Next** to continue.


Setup - TightVNC
C:\
Program Files
AliveMedia
Analog Devices
Common Files
ComPlus Applications
DivX_311alpha
Gabest
c:
< Back
Next >
Cancel

Select Destination Directory

Where should TightVNC be installed?

Select the folder where you would like TightVNC to be installed, then click Next.

C:\Program Files\TightVNC

The program requires at least 0.1 MB of disk space.

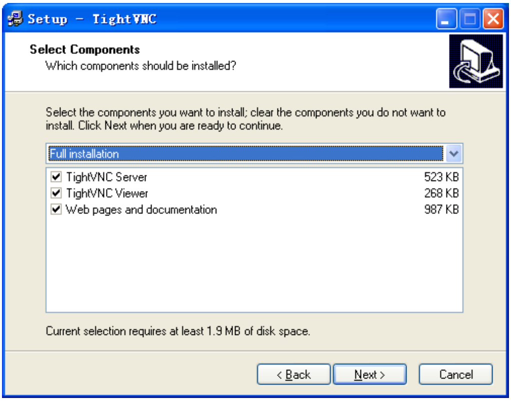
4. Select the following Components:

a. TightVNC Server

b. TightVNC Viewer

c. Web pages and documentation

Click **Next** to continue.



Select Components

Which components should be installed?

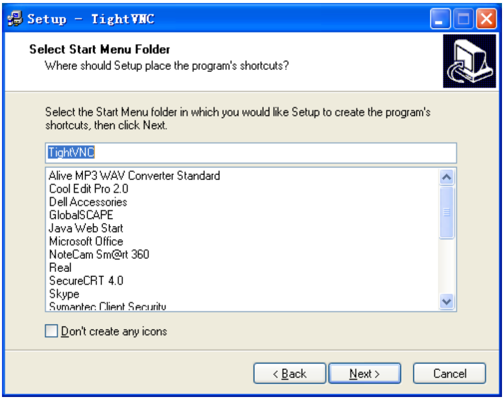
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.

Full installation

☑	TightVNC Server	523 KB
☑	TightVNC Viewer	268 KB
☑	Web pages and documentation	987 KB

Current selection requires at least 1.9 MB of disk space.

5. Select the **Start Menu Folder** in which you would like Setup to create the program's shortcuts. Click **Next** to continue.



Select Start Menu Folder

Where should Setup place the program's shortcuts?

Select the Start Menu folder in which you would like Setup to create the program's shortcuts, then click Next.

TightVNC

Alive MP3 WAV Converter Standard
Cool Edit Pro 2.0
Dell Accessories
GlobalSCAPE
Java Web Start
Microsoft Office
NoteCam Sm@rt 360
Real
SecureCRT 4.0
Skype
Symantec Client Security

☐ Don't create any icons

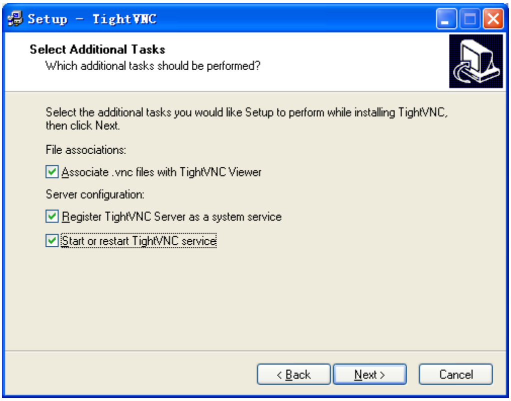
6. In **Select Additional Tasks** screen:

a. Check Associate .vnc files with TightVNC Viewer
   Server configuration:

b. Check Register TightVNC Server as a system service

c. Check Start or restart TightVNC service

Click **Next** to continue.



Select Additional Tasks
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing TightVNC, then click Next.

File associations:

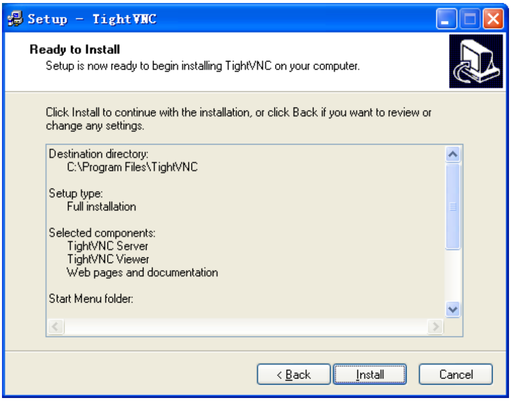
☑ Associate .vnc files with TightVNC Viewer

Server configuration:

☑ Register TightVNC Server as a system service

☑ Start or restart TightVNC service

7. In the **Ready to Install** screen, click **Install** to continue.

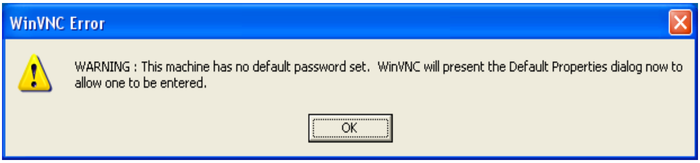


Ready to Install
Setup is now ready to begin installing TightVNC on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

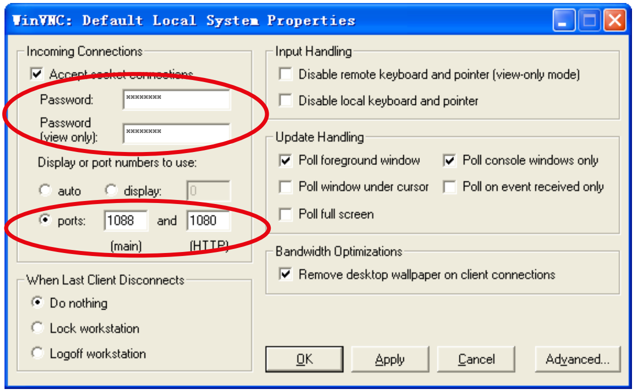
```
Destination directory:
    C:\Program Files\TightVNC

Setup type:
    Full installation

Selected components:
    TightVNC Server
    TightVNC Viewer
    Web pages and documentation

Start Menu folder:
```

8. A pop-up window may appear with the message WARNING: This machine has no default Password set. Win VNC will present the Default Properties dialog now to allow one to be entered. Click **OK** to continue.



WARNING : This machine has no default password set. WinVNC will present the Default Properties dialog now to allow one to be entered.

9. Enter a password for the **Password** and **Password** (view only) fields. Enter port values for the main and HTTP port fields. We suggest using 1088 for the main port and 1080 for the HTTP port. Click **Apply** and then **OK** to continue.



Incoming Connections
☑ Accept socket connections
Password: ********
Password (view only): ********
Display or port numbers to use:
○ auto ○ display: 0
● ports: 1088 (main) and 1080 (HTTP)

When Last Client Disconnects
● Do nothing
○ Lock workstation
○ Logoff workstation

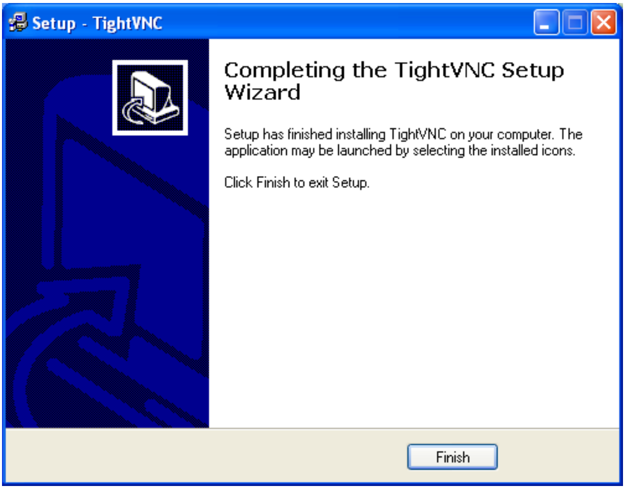
Input Handling
☐ Disable remote keyboard and pointer (view-only mode)
☐ Disable local keyboard and pointer

Update Handling
☑ Poll foreground window
☑ Poll console windows only
☐ Poll window under cursor
☐ Poll on event received only
☐ Poll full screen

Bandwidth Optimizations
☑ Remove desktop wallpaper on client connections

Note: Port 1088 and 1080 are used here as an example only; you can choose any specific ports to be your main/HTTP service ports but we recommend you do not use port 80 for security reasons.

10. You must reboot when the installation is finished. Click Finish to continue and then restart your computer.



Completing the TightVNC Setup Wizard

Setup has finished installing TightVNC on your computer. The application may be launched by selecting the installed icons.

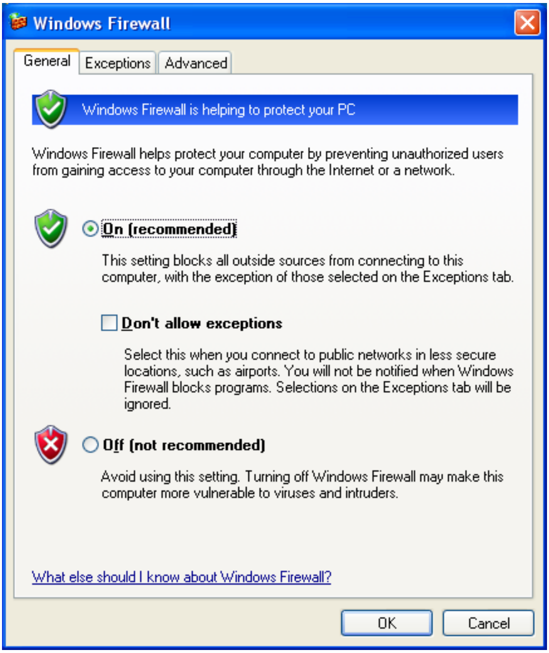
Click Finish to exit Setup.

18.2 Accessing Exchange Server Desktop Remotely

Note: Before using TightVNC, set up the firewall to allow communications with TightVNC.

Here taking an example for **Window Firewall**, it shows you how to unblock TightVNC when firewall is on.

1. Open the Window **Control Panel**, and click **Windows Firewall**.



Windows Firewall is helping to protect your PC

Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.

● **On (recommended)**

This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.

☐ **Don't allow exceptions**

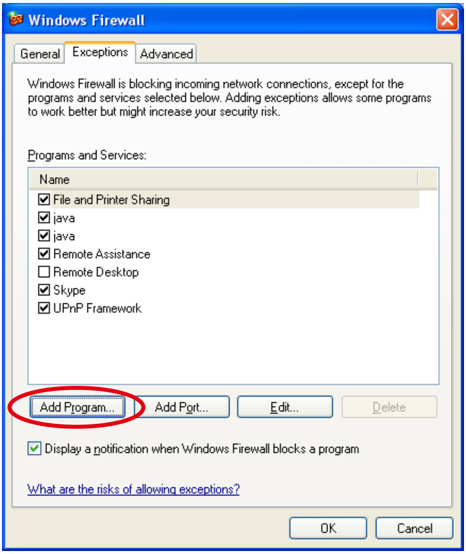
Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.

○ **Off (not recommended)**

Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.

What else should I know about Windows Firewall?

2. Select **Exceptions** tab, and click **Add Program** button.



Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.

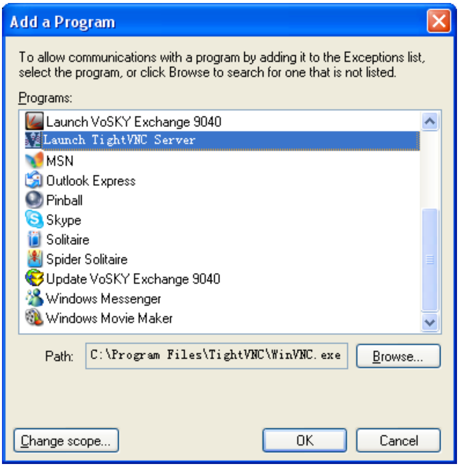
Programs and Services:

Name
☑ File and Printer Sharing
☑ java
☑ java
☑ Remote Assistance
☐ Remote Desktop
☑ Skype
☑ UPnP Framework

☑ Display a notification when Windows Firewall blocks a program

Windows Firewall
General
Exceptions
Advanced
Add Program...
Add Port...
Edit...
Delete
What are the risks of allowing exceptions?
OK
Cancel

3. In **Add a Program** window, select **Launch TightVNC Server** to add it to the Exceptions list, then click **OK**.



To allow communications with a program by adding it to the Exceptions list, select the program, or click Browse to search for one that is not listed.

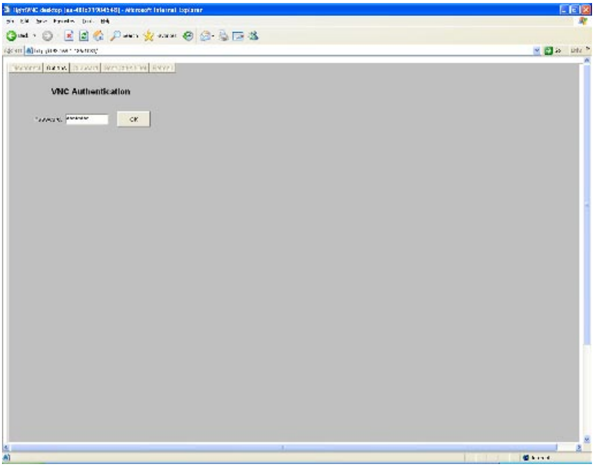
Programs:

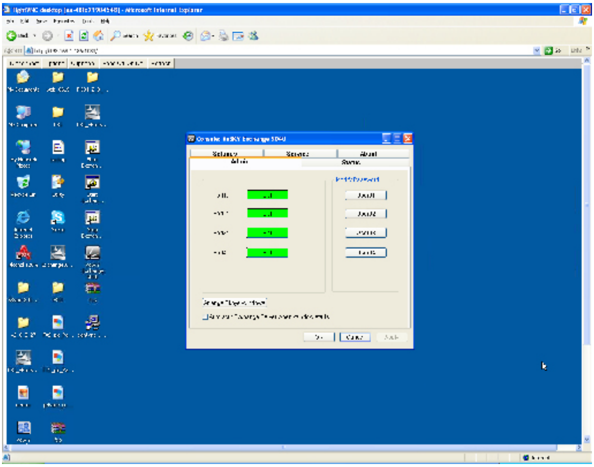
- Launch VoSKY Exchange 9040
- Launch TightVNC Server
- MSN
- Outlook Express
- Pinball
- Skype
- Solitaire
- Spider Solitaire
- Update VoSKY Exchange 9040
- Windows Messenger
- Windows Movie Maker

Path: C:\Program Files\TightVNC\WinVNC.exe

Add a Program
Browse...
Change scope...
OK
Cancel

After you set up the firewall, you can use any browser to input Exchange Server IP address (example: http://192.168.1.147:1080) and the VNC authentication page will appear. Input your default password and click **OK** to continue.





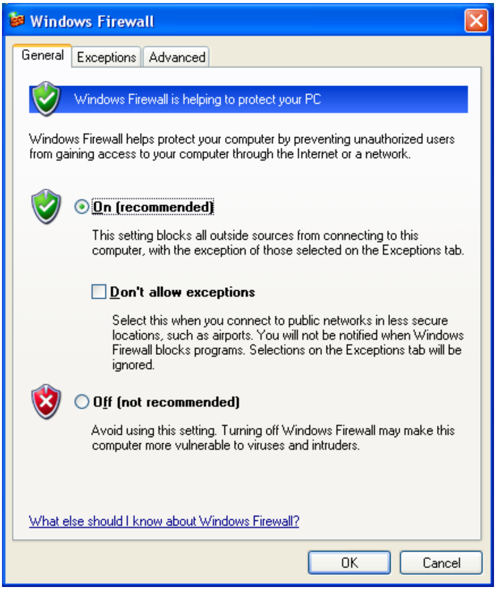
Updating Exchange 9040/9080 Software

19

Exchange 9040/9080 automatically checks for software and firmware updates every 24 hours. Before updating software, set up the firewall to allow communications with Exchange 9040/9080 update.

Here taking an example for **Window Firewall**, it shows you how to unblock Update Exchange 9040/9080 when firewall is on.

1. Open the Window **Control Panel**, and click **Windows Firewall**.



Windows Firewall is helping to protect your PC

Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.

● On (recommended)

This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.

☐ Don't allow exceptions

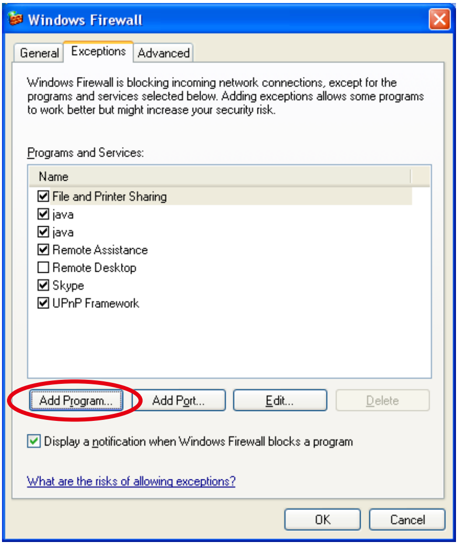
Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.

○ Off (not recommended)

Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.

What else should I know about Windows Firewall?

2. Select **Exceptions** tab, and click **Add Program** button.


Windows Firewall
General
Exceptions
Advanced
Add Program...
Add Port...
Edit...
Delete
OK
Cancel

Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.

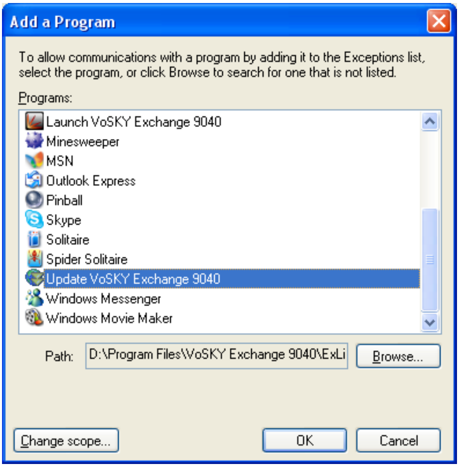
Programs and Services:

Name
- ☑ File and Printer Sharing
- ☑ java
- ☑ java
- ☑ Remote Assistance
- ☐ Remote Desktop
- ☑ Skype
- ☑ UPnP Framework

☑ Display a notification when Windows Firewall blocks a program

What are the risks of allowing exceptions?

3. In **Add a Program** window, select **Update VoSKY Exchange 9040/9080** to add it to the Exceptions list, then click **OK**.


Add a Program
Browse...
Change scope...
OK
Cancel

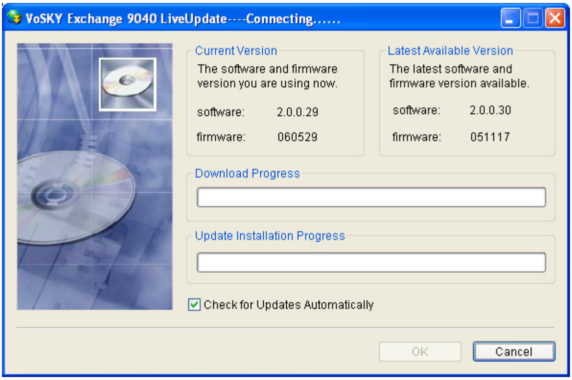
To allow communications with a program by adding it to the Exceptions list, select the program, or click Browse to search for one that is not listed.

Programs:
- Launch VoSKY Exchange 9040
- Minesweeper
- MSN
- Outlook Express
- Pinball
- Skype
- Solitaire
- Spider Solitaire
- Update VoSKY Exchange 9040
- Windows Messenger
- Windows Movie Maker

Path: D:\Program Files\VoSKY Exchange 9040\ExLi

The Exchange 9040/9080 automatically checks for software and firmware updates every 24 hours. You don't need to exit the VoSKY Exchange 9040/9080 Console while you update Exchange 9040/9080 software. The following is an example of Exchange 9040 software update.

1. Launch the VoSKY Exchange 9040 update program by going to the Windows **Start menu**->**All Programs**->**VoSKY Exchange 9040**->**Update VoSKY Exchange 9040**. Select the "Check for Updates Automatically" checkbox so that Exchange 9040 notifies you when there is an available update.



VoSKY Exchange 9040 LiveUpdate----Connecting......

Current Version

The software and firmware version you are using now.

software: 2.0.0.29

firmware: 060529

Latest Available Version

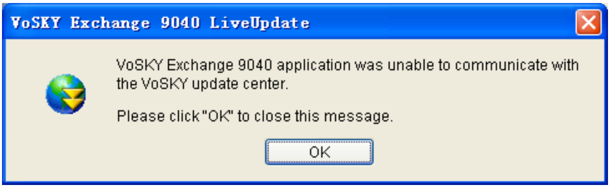
The latest software and firmware version available.

software: 2.0.0.30

firmware: 051117

☑ Check for Updates Automatically

Note: If the Exchange 9040 application was ubable to communicate with the VoSKY update center, make sure the Internet connection is normal and unblock Update VoSKY Exchange 9040 in the firewall.

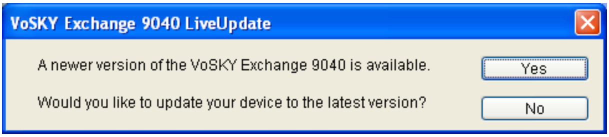


VoSKY Exchange 9040 LiveUpdate

VoSKY Exchange 9040 application was unable to communicate with the VoSKY update center.

Please click "OK" to close this message.

2. The VoSKY Exchange 9040 LiveUpdate will show you the current Exchange 9040 software and firmware version and check the latest available version. If there is a newer version, a pop-up confirmation window asks you whether you would like to update your device or not. Click **Yes** to run the update process.

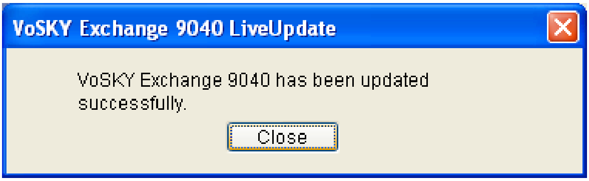

VoSKY Exchange 9040 LiveUpdate

A newer version of the VoSKY Exchange 9040 is available.

Would you like to update your device to the latest version?

Note: During the update process, Exchange 9040 Console exits automatically. Exchange 9040 cannot be used while it's updating.

3. After the update is complete, a message window pops up to notify you Exchange 9040 has been updated successfully. Click **Close** to reboot the VoSKY Exchange 9040.


VoSKY Exchange 9040 LiveUpdate

VoSKY Exchange 9040 has been updated successfully.

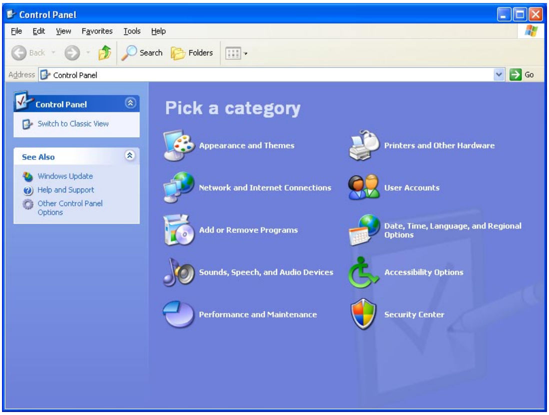
4. The Exchange 9040 Console will reboot. You may need to relaunch the ports of Exchange 9040. Go to the **About** tab of Exchange 9040/9080 Console to verify the software and firmware versions.

20

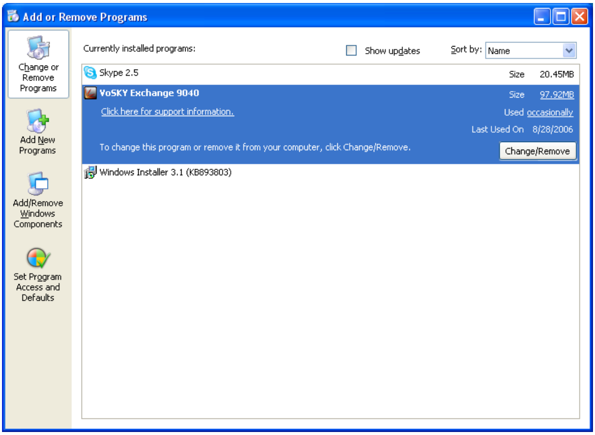
Uninstalling Exchange 9040/9080 Software

Uninstalling Exchange 9040/9080 Software will delete all your data including phonebook, call log and recorded voice prompt recordings. Before you uninstall Exchange 9040/9080, make sure you have backed up the necessary data.

1. Go to the Window’s Start menu and open the **Control Panel**.


Control Panel
File Edit View Favorites Tools Help
Back
Search
Folders
Address Control Panel
Go
Control Panel
Switch to Classic View
See Also
Windows Update
Help and Support
Other Control Panel Options
Pick a category
Appearance and Themes
Printers and Other Hardware
Network and Internet Connections
User Accounts
Add or Remove Programs
Date, Time, Language, and Regional Options
Sounds, Speech, and Audio Devices
Accessibility Options
Performance and Maintenance
Security Center

2. Go to the **Add or Remove Programs**, which will open a new Window with a list of software programs installed on the computer. Scroll down to **VoSKY Exchange 9040** and click the **Change / Remove** button.


Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Set Program Access and Defaults
Change/Remove

Currently installed programs: ☐ Show updates Sort by: Name

Skype 2.5 Size 20.45MB

VoSKY Exchange 9040 Size 97.92MB

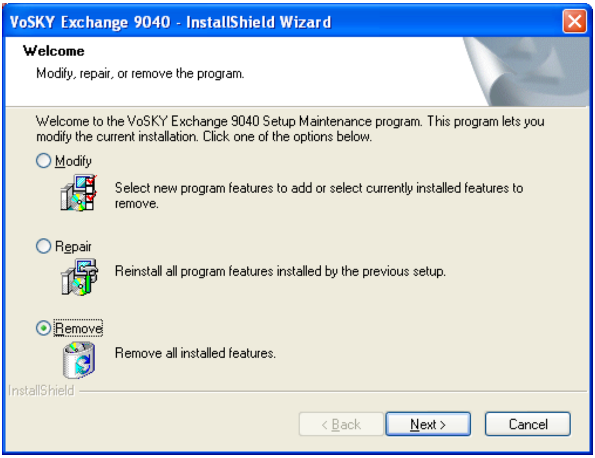
Click here for support information. Used occasionally

Last Used On 8/28/2006

To change this program or remove it from your computer, click Change/Remove.

Windows Installer 3.1 (KB893803)

3. VoSKY Exchange 9040/9080 InstallShield Wizard will launch and guide you through the uninstallation process. Select **Remove all installed features** in the option screen.


VoSKY Exchange 9040 - InstallShield Wizard
InstallShield
< Back
Next >
Cancel

Welcome

Modify, repair, or remove the program.

Welcome to the VoSKY Exchange 9040 Setup Maintenance program. This program lets you modify the current installation. Click one of the options below.

○ Modify

Select new program features to add or select currently installed features to remove.

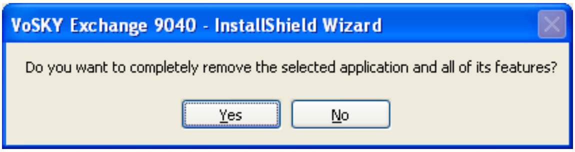
○ Repair

Reinstall all program features installed by the previous setup.

● Remove

Remove all installed features.

4. Click **Yes** in the confirmation window.

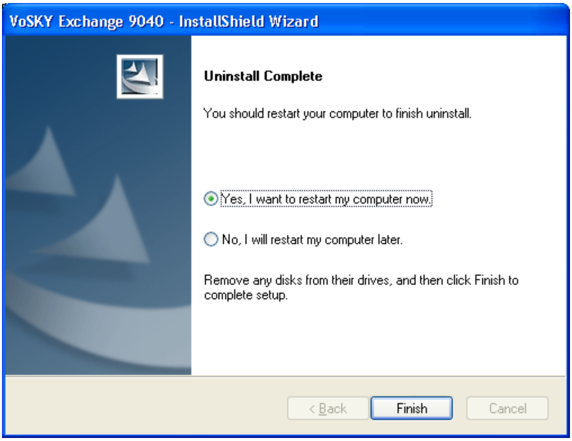


VoSKY Exchange 9040 - InstallShield Wizard

Do you want to completely remove the selected application and all of its features?

Yes
No

5. The Uninstallation process will delete the VoSKY Exchange 9040/9080 files from your computer. When the uninstallation process is complete, the **Uninstall Finished** screen will pop up to prompt to restart your computer. Select the **Yes, I want to restart my computer now**. then click **Finish**.



VoSKY Exchange 9040 - InstallShield Wizard

Uninstall Complete

You should restart your computer to finish uninstall.

● Yes, I want to restart my computer now.

○ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

< Back
Finish
Cancel

Appendix A
Pre-Installation Check List

A

Check items before installation

Item	OK	No
1. Exchange		
a. Exchange Hardware		
b. Installation CD		
c. Local telecommunication parameters (Ringing and on-hook signals)		
2. PC		
a. Minimum PC & CPU requirement		
b. Broadband Internet connection		
c. Clean Operating System (no unnecessary SW installed)		
d. Anti-virus software Installed		
3. PBX (Private Branch Exchange)		
a. Auto attendant		
b. Auto-detect busy tone or wink		
c. Enough analog trunk ports		

Note: All above items must be “**OK**” before you proceed the installation.

Appendix B Glossary

B

Busy tone: Low-pitched tone interrupted sixty times per minute. This tone indicates that the called station is off-hook or busy.

Dial tone: A constant high-pitched tone indicating that the system is ready to process your call. It is essential that users listen for this tone before dialing phone numbers.

DTMF (Dual Tone Multi-Frequency): also known as **Touch Tone** or **Tone Dialing**, is used for telephone signaling over the line in the voice frequency band to the call switching center. Today DTMF is used for most call setup between telephone set and the telephone switch.

FXO (Foreign Exchange Office): FXO interface (the plug on the phone) receives POTS service, typically from a Central Office of the Public Switched Telephone Network (PSTN).

FXS (Foreign Exchange Station): FXS is the interface on a VoIP device for connecting directly to phones, faxes, and CO ports on a PBX or key telephone system.

Off-hook: The handset is removed from the cradle or you are in conversation.

On-hook: The handset is in the cradle.

PBX (Private Branch Exchange): A private telephone network used within an enterprise. Users of the PBX share a certain number of outside lines for making telephone calls external to the PBX.

VoIP (Voice over Internet Protocol): A category of hardware and software that enables people to use the Internet as the transmission medium for telephone calls by sending voice data in packets using IP rather than by traditional circuit transmission of the PSTN.

Appendix C Country/Region List

C

Our Exchange 9040/9080 supports the following countries/regions' telecommunication parameters:

Asia: Bangladesh, Bahrain, Brunei Darussalam, China, Hong Kong S.A.R. of China, India, Indonesia, Iran, Japan, Jordan, Korea, Kuwait, Lebanon, Macao, Malaysia, Nepal, Oman, Pakistan, Philippines, Qatar, Singapore, Sri Lanka, Syria, Taiwan, Thailand, United Arab Emirates, Yemen.

Europe: Andorra, Ascension, Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Liechtenstein, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Marino, Spain, Slovenia, Sweden, Turkey, United Kingdom.

Africa: Algeria, Angola, Benin, Botswana, Cameroon, Egypt, Gabon, Gambia, Kenya, Liberia, Madagascar, Morocco, Mozambique, Niger, Senegal, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zambia, Zimbabwe.

South America: Argentina, Aruba, Brazil, Chile, Colombia, Ecuador, Guyana, Honduras, Martinique, Paraguay, Peru, Suriname, Uruguay.

North America: Bahamas, Barbados, Canada, Costa Rica, Cuba, Dominica Republic, Mexico, Panama, United States.

Oceania: Australia, New Zealand, Solomon Islands.

Appendix D
Compatible PBX System

D

The PBXs listed below are tested to be compatible with Exchange 9040/9080:

ALCATEL	OmniPCX 4400
Avaya	Definity - CSI
Cosmopolitan	FX-MIDI
Cosmopolitan	FX-500
Euphony	EXC-320
Euphony	ESC-320
FCi	DKSeries
HYBREX	G1-824
Interdex	Interdex
KYLINK	KY-1000AS
KYLINK	KY-120DX
minGo	MG-M8
Mitel	SX-200
NEC	NEAX2000IPS
NEC	NEAX7400
NEC	NEAX2400
NORTEL NETWORKS	Meridian 1
Panasonic	KX-TA308BX
Panasonic	KX-TD500X
Philips	SOPHO DS1000
Siemens	HiPath Series
TECOM	DX Series
TECOM	SD Series

TeleSynergy	TelePCX
Tonnet	DCS-60
TOSHIBA	Strata DK 380
Uniphone	UD-F1232

Appendix E FAQ

E

A. Skype Issues

1. Q: What is the bandwidth for each Skype Call?

A: The bandwidth of one Skype Call depends on Internet access bandwidth and PC's CPU performances of the both sides of the conversation. According to statistics provided by the official website of Skype, each Skype Call requires an average bandwidth of 3Kb/s-16Kb/s (please refer to http://www.skype.com/help/faq/technical.html).

2. Q: What is SkypeIn?

A: SkypeIn allows you to own a regular phone number. Thus your contacts can call your Skype account on a regular phone.

3. Q: Can VoSKY Exchange 9040/9080 work with SkypeIn?

A: VoSKY Exchange 9040/9080 can work with SkypeIn. However, SkypeIn does not support the Call Back and Call Forward functions of VoSKY Exchange 9040/9080.

4. Q: What is SkypeOut?

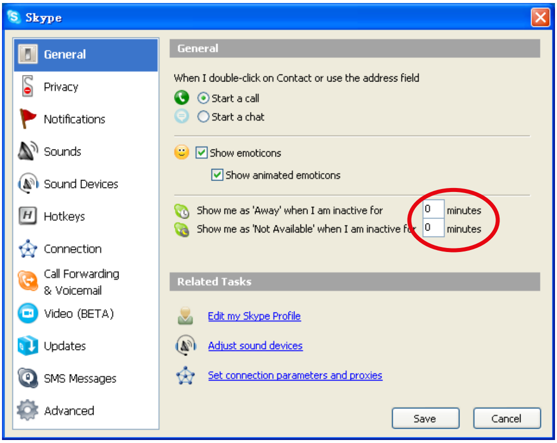
A: SkypeOut allows you to place calls to regular telephones (landlines or mobiles) all over the world for a low fee.

5. Q: How many Skype accounts are needed for the VoSKY Exchange 9040/9080?

A: You need four Skype accounts for Exchange 9040 and eight Skype accounts for Exchange 9080. We recommend creating Skype IDs by using a sequential naming convention, such as the following: Company Name, Company Name1, Company Name2, Company Name3…Company Name7. The Skype ID "Company Name" can be used as the Company Skype ID. For example, if you use four Skype accounts, VoSKY, VoSKY1, VoSKY2, VoSKY3, VoSKY is the Company Skype ID.

6. Q: Can I set my Skype status always "online"?

A: Skype status will show your status as "away" when you are inactive for 5 minutes and show "not available" when you are inactive for 20 minutes. You can reset this setting to "0 minutes" to have your Skype status show as always "online".


Skype
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
General
Related Tasks
Edit my Skype Profile
Adjust sound devices
Set connection parameters and proxies
Save
Cancel

When I double-click on Contact or use the address field

● Start a call

○ Start a chat

☑ Show emoticons

☑ Show animated emoticons

Show me as 'Away' when I am inactive for 0 minutes

Show me as 'Not Available' when I am inactive for 0 minutes

B. PBX Issues

1. Q: What adjustments should I make on the PBX?

A:

a. Prepare 4/8 available analog trunk ports.

b. Assign these 4/8 ports to one hunting group.

c. Assign a number to this hunting group.

d. Turn on the Auto-attendant function to this hunting group.

2. Q: Can Exchange 9040/9080 connect to Line Cards of the PBX?

A: No. The RJ-11 ports of Exchange 9040/9080 are FXS ports, and FXS ports need to be connected to FXO ports.

3. Q: Can the VoSKY Exchange 9040/9080 work with key-phone systems?

A: Yes. The VoSKY Exchange 9040/9080 can work seamlessly with a key-phone system.

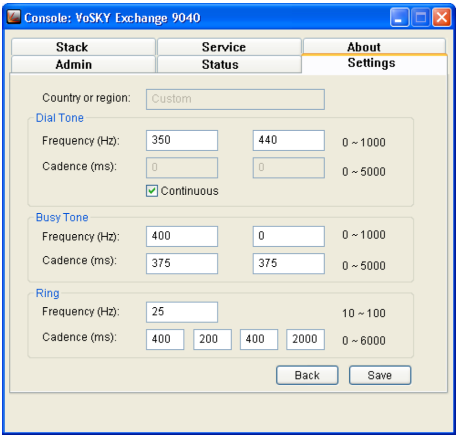
4. Q: Why can't I hear the auto-attendant of the PBX when I make a Skype call to VoSKY Exchange 9040/9080?

A: Most likely, the PBX auto-attendant function is not enabled for the VoSKY Exchange trunk, check the PBX configuration.

5. Q: How do I solve the PBX line lock problem?

A:

a. Change the busy tone setting. Please ask the local telecommunication company or the supplier of your PBX for the correct telecommunication parameters for Busy Tone. After you get that, open the VoSKY Exchange 9040/9080 Console, go to the Settings tab, and select Custom for the region setting. Click the Change button and set the Frequency (Hz) and Cadence (ms) for Busy Tone with the proper parameters. An example is shown below.



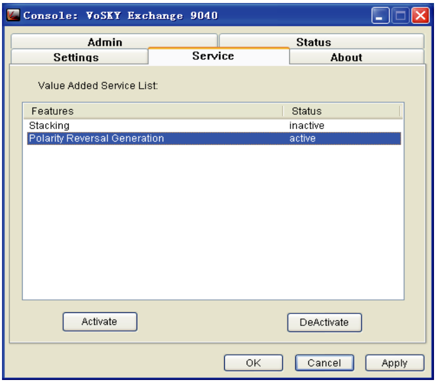
Country or region: Custom

Dial Tone
Frequency (Hz): 350 440 0 ~ 1000
Cadence (ms): 0 0 0 ~ 5000
☑ Continuous

Busy Tone
Frequency (Hz): 400 0 0 ~ 1000
Cadence (ms): 375 375 0 ~ 5000

Ring
Frequency (Hz): 25 10 ~ 100
Cadence (ms): 400 200 400 2000 0 ~ 6000

b. If your PBX supports Polarity Reversal, please activate it. Open the VoSKY Exchange 9040/9080 Console, go to the Service tab, and activate Polarity Reversal. The Console should display the following:


Console: VoSKY Exchange 9040
Admin
Status
Settings
Service
About
Activate
DeActivate
OK
Cancel
Apply

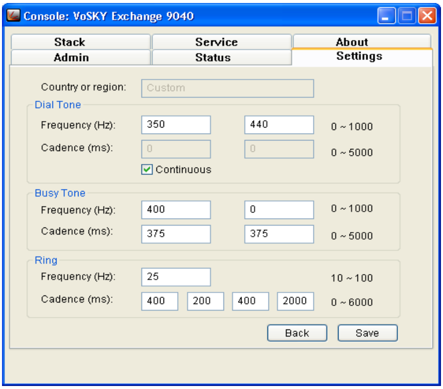
Value Added Service List:

Features	Status
Stacking	inactive
Polarity Reversal Generation	active

6. Q: After installing the VoSKY Exchange 9040/9080, I do not hear the Auto Attendant of the PBX when making incoming calls. How do I solve it?

A:

a. Change the Ring setting. Please ask the local telecommunication company or the supplier of your PBX for the correct telecommunication parameters for the Ring Tone. After you get that information, open the VoSKY Exchange 9040/9080 Console, go to the Settings tab, and select Custom for the region setting. Click the Change button and set the Frequency (Hz) and Cadence (ms) of Ring Tone with the proper parameters. An example is shown below:


Console: VoSKY Exchange 9040
Stack
Service
About
Admin
Status
Settings
Back
Save

Country or region: Custom

Dial Tone

Frequency (Hz):	350	440	0 ~ 1000
Cadence (ms):	0	0	0 ~ 5000

☑ Continuous

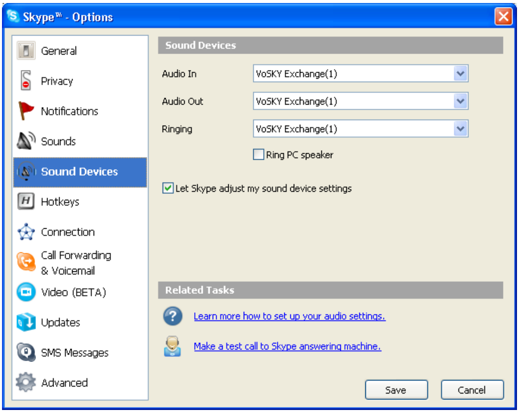
Busy Tone

Frequency (Hz):	400	0	0 ~ 1000
Cadence (ms):	375	375	0 ~ 5000

Ring

Frequency (Hz):	25				10 ~ 100
Cadence (ms):	400	200	400	2000	0 ~ 6000

b. Open Skype->Tools ->Options -> Sound Devices. Please ensure that the Audio In, Audio Out and Ringing settings are set with the proper sound device in relation to each line of Exchange 9040/9080. For example: If you check the Skype Sound Devices for the first port of VoSKY Exchange 9040/9080, Audio In, Audio Out and Ringing should be VoSKY Exchange(1), as shown below:


Skype™ - Options
General
Privacy
Notifications
Sounds
Sound Devices
Hotkeys
Connection
Call Forwarding & Voicemail
Video (BETA)
Updates
SMS Messages
Advanced
Related Tasks
Learn more how to set up your audio settings.
Make a test call to Skype answering machine.
Save
Cancel

Sound Devices

Audio In: VoSKY Exchange(1)
Audio Out: VoSKY Exchange(1)
Ringing: VoSKY Exchange(1)
☐ Ring PC speaker
☑ Let Skype adjust my sound device settings

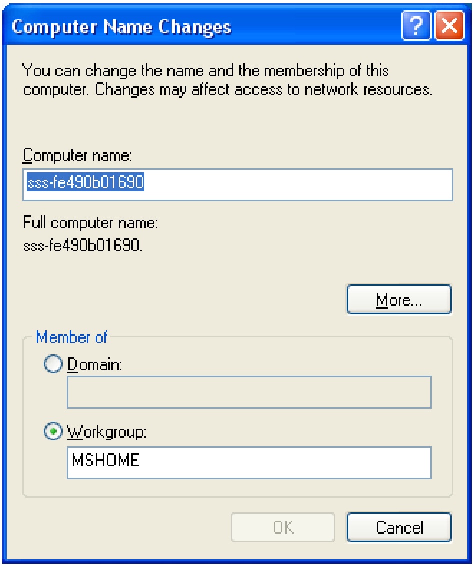
C. VoSKY Exchange 9040/9080 Issues

1. Q: How many PC users are needed for VoSKY Exchange 9040/9080?

A: Four Windows users will be created automatically when you install the VoSKY Exchange 9040 while eight users are created automatically when you install the VoSKY Exchange 9080.

2. Q: Why can I not switch among different Windows user accounts?

A: If your PC belongs to a certain domain, you can log off a user account, but can not switch among different user accounts. If you want to switch user, please log off the domain.



You can change the name and the membership of this computer. Changes may affect access to network resources.

Computer name: sss-fe490b01690

Full computer name:
sss-fe490b01690.

○ Domain:

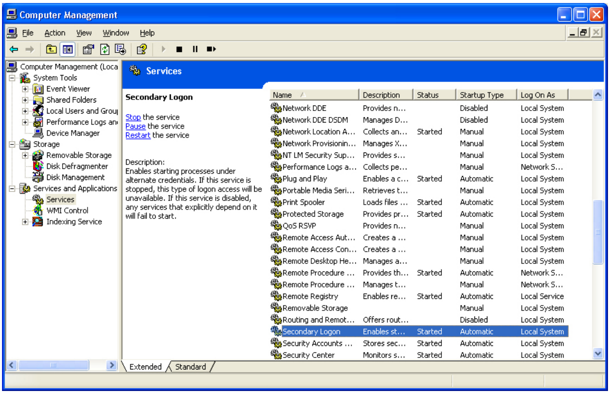
● Workgroup: MSHOME

3. Q: Why can I not set up 4/8 user accounts while installing VoSKY Exchange software?

A: Because some PCs have minimum keyword limits while the user account's default keyword is "1".when you come up this situation, please set up 4/8 user accounts in advance.

4. Q: Why can I not launch Skype software after clicking "Launch" button?

A: Right click **My Computer** and select **Manage**. Select Services in the **Manage and Applications** and confirm that the **Secondary Logon** service has been **Started**.


Computer Management
File
Action
View
Window
Help
Computer Management (Loca
System Tools
Event Viewer
Shared Folders
Local Users and Grou
Performance Logs an
Device Manager
Storage
Removable Storage
Disk Defragmenter
Disk Management
Services and Applications
Services
WMI Control
Indexing Service
Services
Extended
Standard

Secondary Logon

Stop the service
Pause the service
Restart the service

Description:
Enables starting processes under alternate credentials. If this service is stopped, this type of logon access will be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.

Name	Description	Status	Startup Type	Log On As
Network DDE	Provides n...		Disabled	Local System
Network DDE DSDM	Manages D...		Disabled	Local System
Network Location A...	Collects an...	Started	Manual	Local System
Network Provisionin...	Manages X...		Manual	Local System
NT LM Security Sup...	Provides s...		Manual	Local System
Performance Logs a...	Collects pe...		Manual	Network S...
Plug and Play	Enables a c...	Started	Automatic	Local System
Portable Media Seri...	Retrieves t...		Manual	Local System
Print Spooler	Loads files ...	Started	Automatic	Local System
Protected Storage	Provides pr...	Started	Automatic	Local System
QoS RSVP	Provides n...		Manual	Local System
Remote Access Aut...	Creates a ...		Manual	Local System
Remote Access Con...	Creates a ...		Manual	Local System
Remote Desktop He...	Manages a...		Manual	Local System
Remote Procedure ...	Provides th...	Started	Automatic	Network S...
Remote Procedure ...	Manages t...		Manual	Network S...
Remote Registry	Enables re...	Started	Automatic	Local Service
Removable Storage			Manual	Local System
Routing and Remot...	Offers rout...		Disabled	Local System
Secondary Logon	Enables st...	Started	Automatic	Local System
Security Accounts ...	Stores sec...	Started	Automatic	Local System
Security Center	Monitors s...	Started	Automatic	Local System

5. Q: What is the function of the DOS program that launches after completing the installation of Exchange 9040/9080 software?

A: This DOS program is used for Web server management. Do not close this DOS program.

6. Q: Why do you have to activate Exchange 9040/9080?

A: Activating Exchange 9040/9080 Software allows you to receive added services. Our resellers will provide you with the latest Exchange 9040/9080 information. Enter your company name, Email, and reseller ID correctly when activating Exchange 9040/9080.

7. Q: Why doesn't Exchange 9040/9080 work well after installation ?

A: First make sure Exchange 9040/9080 has power and is connected with the PC and the PBX (refer to the section 7-*Connecting Exchange 9040/9080 Hardware* and section 13-*Setting up the PBX* in the User Manual). All ports of Exchange 9040/9080 must be launched. Select the country or region where Exchange 9040/9080 will be used and the status of Skype accounts are available. Last, make sure that you have added a Skype contact and assigned a speed dial key.

8. Q: Why does Exchange 9040/9080 create 4/8 Windows user accounts during the installation?

A: Every Windows user account manages one Skype account and Exchange port. Deleting any Windows user accounts will lead to Exchange 9040/9080 to not work properly. The single desktop management feature allows the adminstrator to manage Exchange from the main Windows administrator account.

9. Q: Why can't I call my Skype contacts from the extension?

A: Before you start using Exchange 9040/9080, login to the Web Management console to configure your phonebook and add your Skype contacts and speed dial key.

10.Q: Why do all the employees and speed dial keys get deleted after the administrator reconfigures the speed dial key format?

A: Before you reconfigure the speed dial key format, backup all your data because this operation will delete all employees and speed dial keys.

11.Q: The administrator has entered a telephone number for the Cell Phone No. field under the Admin User Info page of the Web Management console. Why is a phone call not being sent to this number when Exchange experiences a problem?

A: Please confirm the phone number entered uses the proper SkypeOut format: 00 + country code + area code + local phone number.

12. Q: If I want to add Exchange 9080 Stack function do I have to activate the feature for both Exchanges?

A: Yes. One of Exchanges must be set in Master mode and the other in Slave mode in order for the Stacking feature to work properly so that all calls are routed to the proper lines. For the Master Exchange a Stack tab will be added to the activated master Exchange 9080, and you must enter the Slave Exchange 9080's Company Skype ID in the field provided. For the Slave Exchange 9080, the Web Server Host (IP) field under the Settings tab will be available. Enter the Master Exchange 9080's PC Server IP address in this field.

13. Q: Why are incoming remote Skype callers not being forwarded properly when all 4 Exchange lines are busy even though I've enabled Call Overflow Forwarding?

A: Call Overflow Forwarding utilizes Skype's own Call Forwarding feature to properly forward the call. Make sure the Skype IDs you entered for Call Overflow Forwarding are valid Skype IDs and/or the SkypeOut numbers you entered are using the proper SkypeOut dialing format: 00 + country code + area code + local phone number.

14. Q: Why do I no longer see my Administrator account after installing Exchange 9040/9080 software?

A: You may have installed Exchange software using the built-in Windows Administrator account which we do not recommend. Uninstall Exchange, create another Windows account with administrator priviliges, and run Exchange setup from this account.

15. Q: There is constant static noise during conversation. How do I get rid of this noise?

A: Exchange 9040/9080 may create static noise during use which may be caused by not properly grounding the power adapter. Therefore, please insert the adapter to a three-holed wall socket to avoid the above-mentioned situation.

16. Q: I cannot make or receive calls from one (or more) of the Exchange ports. Both the Ready and In Use indicators on Exchange 9040/9080 are solid on or solid off. How do I fix this?

A: We recommended you unplug and replug the USB cable(s) and the power adapter. Wait a few minutes for the system to re-initialize and then check the port functionality again.

Appendix F Troubleshooting

F

If Exchange 9040/9080 experiences problems, it does not mean that your system will stop functioning. If the defect is very simple, you may be able to fix it easily with a little help from commonly encountered problems and their solutions as outlined in the table below.

Defect	Cause	Solution
Exchange 9040/9080 basic service is not working	1. All the indicator LEDs of Exchange 9040/9080 are off 2. Exchange 9040/9080 software is not activated 3. The Exchange 9040/9080 ports are not launched 4. Exchange 9040/9080 has not been configured properly	1. Check if the power to Exchange 9040/9080 is correctly plugged in and make sure there is a power supply 2. Exchange 9040/9080 software needs to be activated after installation 3. Launch all the ports of Exchange 9040/9080 4. Set the corresponding country or telecommunication parameters where Exchange 9040/9080 will be used
Extension phones cannot make SkypeOut calls	1. Have not purchased SkypeOut credit 2. The administrator has not enabled SkypeOut 3. The administrator has enabled a SkypeOut password	1. Purchase SkypeOut credit for all your Skype accounts 2. Inquire from the administrator whether he/she has enabled SkypeOut 3. Login to the Web Management console to set your own SkypeOut password

	4. The administrator has restricted the SkypeOut time period	4. Use SkypeOut during the time period your administrator has assigned
Extension phones cannot call Skype contacts	1. Cannot hear the voice prompt after dialing the huting group number to access the Skype line 2. You have not set speed dial keys for your Skype contacts 3. The dialing format is incorrect	1. Reconnect Exchange 9040/9080 to the PBX 2. Login to the Web Management console with your username and password, then set the speed dial keys for your Skype contacts 3. Follow the format:PIN+ speed dial key
Slave Exchange 9080 cannot communicate with the master Exchange 9080	1. The master Exchange 9080 has not activated its master feature 2. The slave Exchange 9080's Company Skype ID in master Exchange 9080 Console has not been set 3. The slave Exchange 9080 has not activated its slave feature	1. Activate Exchange's master feature in **Service** tab in Exchange 9080 Console 2. Set the slave Exchange 9080's Company Skype ID in master Exchange 9080's Console 3. Activate Exchange's slave feature under the **Service** tab in Exchange 9080 Console

Appendix G
Request Support

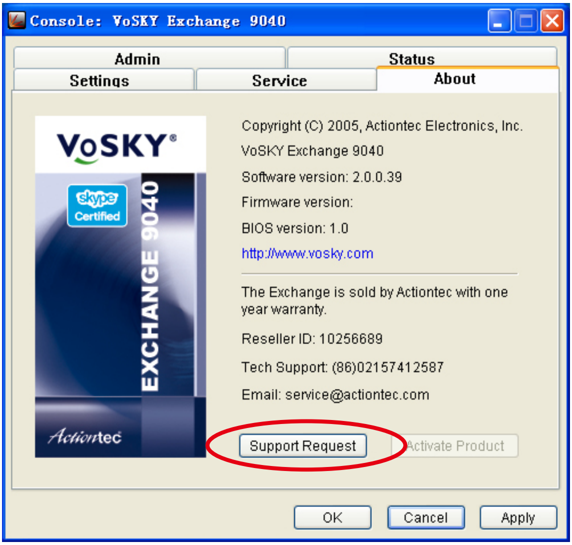
G

If you encounter any problems about our products or would like to give us advice, please contact us in ONE of the following ways:

1. Fill out the Exchange Support Template (SupportTemplate.xls), which is provided in the Installation CD. Then, send the form to your reseller, who will contact us.

2. Go to http://www.vosky.com/modules/onlinesupport to report any problems or advice.

3. Go to the VoSKY Exchange 9040/9080 Console. Click on the **About** tab, then click on the **Support Request** button as shown below:


Console: VoSKY Exchange 9040
Admin
Status
Settings
Service
About
VoSKY
skype Certified
EXCHANGE 9040
Actiontec
Support Request
Activate Product
OK
Cancel
Apply

Copyright (C) 2005, Actiontec Electronics, Inc.
VoSKY Exchange 9040
Software version: 2.0.0.39
Firmware version:
BIOS version: 1.0
http://www.vosky.com

The Exchange is sold by Actiontec with one year warranty.

Reseller ID: 10256689
Tech Support: (86)02157412587
Email: service@actiontec.com

4. Go to one of the VoSKY website forums:
   http://www.vosky.com/forum/ (English)
   http://www.vosky.com/forum1/ (Simplified Chinese)
   http://www.vosky.com/forum2/ (Traditional Chinese)

Thank you for using VoSKY Exchange 9040/9080. We value your comments and concerns.

Appendix H
Specifications

H

System

48MHz 16 bits RISC Processor per port
USB 1.1 full speed device (compatible with USB 2.0)
USB audio device class 1.0
Linear audio signal support: 16-bit mono linear PCM audio in 8KHz sampling rate

PC Interface

1/2 USB ports (series B receptacle) connect to PC (9040/9080)

Telephone Interface

4(8 for Exchange 9080) FXS port (RJ11 Modular Jack) connect to PBX's analog trunk port

Power Supply(Power adaptor)

input: 100V~240V AC
Frequency: 50/60 Hz
Output: 12V DC, 3.33A

LED Indicators

4/8 LED green indicators (Ready) (9040/9080)
4/8 LED red indicators (In Use) (9040/9080)

Accessories

1/2 USB cables, 110 cm
4/8 RJ11 cables, 180 cm

Accessories

Dimension: 430mm x 150mm x 45mm (1U, 1.75inch)
Weight: 1500g
Color: black

FXS Port

- Impedance: 600 Ohm
- On-Hook voltage(standby): 48V DC
- Off-Hook loop current: 25 mA DC
- Ringing voltage: $130V_{P-P}$(Peak to Peak), 20/25 Hz/adaptable, 80% duty cycle square wave, 60 Vrms
- REN (ringer equivalence number): 2
- Interface: 2-wire, loop start
- Frequency response: 200~3400 Hz
- Call progress detection: ONHOOK, OFFHOOK, DTMF, FLASH
- Dial tone/voice prompt, busy tone, ring back tone, ringing cadence, DTMF generate during call process
- Generate “wink” for remote hang up signaling
- LEC (line echo cancellation)
- Full duplex voice channel

Environment

Operating temperature:0 °C - 55 °C
Operating humidity: 0% - 70%
Storage temperature: -20 °C - 70 °C
Storage humidity: 0% - 95% (non-condensing)

Certification

FCC, CE

Warranty

1 Year

Appendix I
Notices

I

Regulatory Compliance Notice

Class B Equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by implementing one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or television technician for help

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Actiontec Electronics, Inc., may void the user’s authority to operate the equipment. Declaration of conformity for products marked with the FCC logo- United States only.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause unwanted operation

Note: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

For questions regarding your product or the FCC declaration, contact:

Actiontec Electronics, Inc.
760 North Mary Ave.
Sunnyvale, CA 94085
United States
Tel: (408) 752-7700
Fax: (408) 541-9005

Miscellaneous Legal Notices

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Appendix J
Limited Warranty

THIS EXCHANGE PRODUCT IS CONFIGURED TO WORK WITH THE CURRENT SKYPE COMMUNICATIONS, S.A. (“SKYPE”) SERVICE AT THE DATE OF SHIPMENT. NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, ACTIONTEC WILL HAVE NO LIABILITY IF ANY FEATURE OR UTILITY OF EXCHANGE FAILS TO PERFORM IN SUBSTANTIAL CONFORMANCE TO THE APPLICABLE SPECIFICATIONS BECAUSE OF ANY CHANGES MADE BY SKYPE TO ITS PROGRAM OR SERVICES. IF THIS DISCLAIMER IS NOT ACCEPTABLE TO YOU, PLEASE RETURN THE PRODUCT IN ITS ORIGINAL BOX TO YOUR POINT OF PURCHASE WITHIN FIFTEEN (15) DAYS OF PURCHASE TO OBTAIN A REFUND. IN NO EVENT SHALL THE FOREGOING BE DEEMED TO EXPAND ANY WARRANTY OR LIMIT ANY DISCLAIMER CONTAINED HEREIN.

Hardware: Actiontec Electronics, Inc., warrants to the end user (“Customer”) that this hardware product will be free from defects in workmanship and materials, under normal use and service, for twelve (12) months from the date of purchase (US) or twenty-four (24) months from the date of purchase (Europe) from Actiontec Electronics or its authorized reseller.

Actiontec Electronics’ sole obligation under this express warranty shall be, at Actiontec’s option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, Actiontec Electronics may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of Actiontec Electronics, Inc. Replacement products may be new or reconditioned. Actiontec Electronics warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer.

Software: Actiontec Electronics warrants to Customer that each software program licensed from it will perform in substantial conformance to its program specifications, for a period of ninety (90) days from the date of purchase from Actiontec Electronics or its authorized reseller.

Actiontec Electronics warrants the media containing software against failure during the warranty period. The only updates that will be provided are at the sole discretion of Actiontec Electronics and will only be available for download at the Actiontec Web site, www.actiontec.com. Actiontec Electronics' sole obligation under this express warranty shall be, at Actiontec Electronics' option and expense, to refund the purchase price paid by Customer for any defective software product, or to replace any defective media with software which substantially conforms to applicable Actiontec Electronics published specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. Actiontec Electronics makes no warranty or representation that its software products will meet Customer's requirements or work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third-party products listed in the Actiontec Electronics software product documentation or specifications as being compatible, Actiontec Electronics will make reasonable efforts to provide compatibility, except where the non-compatibility is caused by a "bug" or defect in the third party's product or from use of the software product not in accordance with Actiontec Electronics published specifications or user guide.

THIS ACTIONTEC ELECTRONICS PRODUCT MAY INCLUDE OR BE BUNDLED WITH THIRD-PARTY SOFTWARE, THE USE OF WHICH IS GOVERNED BY A SEPARATE END USER LICENSE AGREEMENT.

THIS ACTIONTEC ELECTRONICS WARRANTY DOES NOT APPLY TO SUCH THIRDPARTY SOFTWARE. FOR THE APPLICABLE WARRANTY, PLEASE REFER TO THE END-USER LICENSE AGREEMENT GOVERNING THE USE OF SUCH SOFTWARE.

Obtaining Warranty Service: Customer may contact Actiontec Electronics Technical Support Center within the applicable warranty period to obtain warranty service authorization. Dated proof of purchase from Actiontec Electronics or its authorized reseller may be required. Products returned to Actiontec Electronics must be pre-authorized by Actiontec Electronics with a Return Merchandise Authorization (RMA) number marked on the outside of the package, and sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. The repaired or replaced item will be shipped to Customer, at Actiontec Electronics' expense, not later than thirty (30) days after Actiontec Electronics receives the defective product.

Return the product to:

(In the United States)

Actiontec Electronics, Inc.

760 North Mary Avenue

760 North Mary Avenue

Sunnyvale, CA 94085

Actiontec Electronics shall not be responsible for any software, firmware, information, memory data, or Customer data contained in, stored on, or integrated with any products returned to Actiontec Electronics for repair, whether under warranty or not.

WARRANTIES EXCLUSIVE: IF AN ACTIONTEC ELECTRONICS PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT ACTIONTEC ELECTRONICS' OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS. OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. ACTIONTEC ELECTRONICS NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.

ACTIONTEC ELECTRONICS SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT OR MALFUNCTION IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLECT, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPT TO OPEN, REPAIR OR MODIFY THE PRODUCT, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OTHER HAZARDS, OR ACTS OF GOD.

Disclaimer: Some countries, states or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

Dispute Resolution: The customer may contact the Director of Technical Support in the event the Customer is not satisfied with Actiontec Electronics' response to the complaint. In the event that the Customer is still not satisfied with the response of the Director of Technical Support, the Customer is instructed to contact the Director of Marketing. In the event that the Customer is still not satisfied with the response of the Director of Marketing, the Customer is instructed to contact the Chief Financial Officer and/or President.

Governing Law: This Limited Warranty shall be governed by the laws of the State of California, U.S.A., excluding its conflicts of laws and principles, and excluding the United Nations Convention on Contracts for the International Sale of Goods.

VoSKY®

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